



May 17, 2019

Pfizer Inc.  
100 Route 206 North, MS LLA-401  
Peapack, NJ 07977  
Tel: 908-901-8630

Via e-mail and U.S. Postal Service

David N. Cuevas-Miranda, Ph.D.  
Geologist/Marine Scientist  
Senior RCRA Corrective Action Project Manager  
US EPA-Region 2  
Caribbean Environmental Protection Division  
City View Plaza II, Suite 7000  
Guaynabo, Puerto Rico 00968

**RE: Pfizer Pharmaceuticals, LLC, Carolina Site  
Q1-2019 Remediation Status and Data Summary Report  
65<sup>th</sup> Infantry Avenue, Km. 9.7  
Carolina, Puerto Rico**

Dear Mr. Cuevas:

On behalf of Pfizer Pharmaceuticals, LLC (PPLLC), please find attached a Remediation Status and Data Summary Report prepared by Golder Associates Inc. that presents Q1-2019 post-remediation groundwater monitoring results for the PPLLC Carolina site remediation project. The next semi-annual monitoring event is tentatively scheduled for September 2019, with the soil-gas survey tentatively scheduled for Q4-2019 after the next semi-annual monitoring event.

In general, remediation results continue to be very favorable, such that no additional treatment amendments are currently planned.

Should you have any questions about the report, please don't hesitate to contact me at 908-901-8630.

Sincerely,

A handwritten signature in blue ink that reads "William G. Gierke".

William G. Gierke, P.G., Senior Manager  
Pfizer Inc.

cc. Lorna Rodriguez, EQB



## TECHNICAL MEMORANDUM

**DATE** May 16, 2019 **Project No.** 103-82746.B

**TO** Mr. William G. Gierke  
Pfizer, Inc.

**CC** Jeff Paul

**FROM** Matthew C. Crews **EMAIL** [mcrews@golder.com](mailto:mcrews@golder.com)

**RE: REMEDIATION STATUS AND DATA SUMMARY REPORT  
FORMER PFIZER PHARMACEUTICAL FACILITY IN CAROLINA, PUERTO RICO**

Golder Associates Inc. (Golder) has prepared this Technical Memorandum to summarize post-remediation performance monitoring results at the former Pfizer facility in Carolina, Puerto Rico (the site) on behalf of Pfizer Pharmaceuticals LLC (PPLLC). A Remedial Action Plan was submitted to the US Environmental Protection Agency in July 2014 and implementation began immediately thereafter. The following summarizes the previously completed amendment injection activities and the semi-annual groundwater performance monitoring event completed in March 2019.

### AMENDMENT INJECTIONS

A total of seven amendment injection events have been completed as part of the Remedial Action Plan implementation. The most recent injection event was completed in May 2018. The well locations are shown on Figure 1. A summary of the volume of amendment injected in site wells is presented in Table 1.

### PERFORMANCE MONITORING

Groundwater performance monitoring activities were completed in March 2019. The results are summarized in Tables 2 through 4. The results are also shown on Figures 2 through 4. A copy of the laboratory analytical report is included in Attachment A.

Prior to full-scale remedial implementation, trichloroethene (TCE) concentrations in groundwater were above the groundwater risk-based closure criteria (RBCC) in several wells. Since full-scale implementation, TCE concentrations have substantially decreased, reducing the footprint of TCE impacts, below the groundwater RBCC in each monitoring well. Tetrachloroethene (PCE) concentrations have also decreased at the site, although concentrations were below the RBCC prior to remedial implementation.

Vinyl chloride (VC) concentrations in groundwater were above the RBCC in some of the monitoring and injection wells. Notably, some of these exceedances occurred only after full-scale remedial implementation, as vinyl chloride is typically generated from the biological reduction of PCE and TCE. The footprint of VC exceedances of the RBCC has decreased since full-scale implementation, showing that VC is degrading. VC concentrations will continue to degrade and decline, as supported by previous treatment results and the confirmed presence of vinyl chloride-reductase genes in groundwater.

## NEXT ACTIONS TENTATIVELY PLANNED

As previously proposed to EPA, semi-annual groundwater performance monitoring activities will continue until March 2021 (2 years), with subsequent monitoring dependent upon post-remediation monitoring results. The performance monitoring plan is shown in Table 5. The next groundwater monitoring event is tentatively scheduled for September 2019.

Also, with EPA's approval of the Soil Gas Survey Work Plan (in EPA's letter dated April 24, 2019), Golder tentatively plans to implement the approved Work Plan on behalf of PPLLC, following the September 2019 groundwater performance monitoring event.

## List of Tables

Table 1	Summary of Amendment Injections
Table 2	Monitoring Well Completion and Groundwater Elevation Summary
Table 3	Groundwater Analytical Summary
Table 4	Groundwater Chemistry Summary
Table 5	Performance Monitoring Plan

## List of Figures

Figure 1	Monitoring Well and Injection Well Locations
Figure 2	Groundwater Analytical Summary for PCE (with Post-Injection Isocontours) (March 2019)
Figure 3	Groundwater Analytical Summary for TCE (with Post-Injection Isocontours) (March 2019)
Figure 4	Groundwater Analytical Summary for Vinyl Chloride (with Post-Injection Isocontours) (March 2019)

## List of Attachments

Attachment A Laboratory Analytical Report

MCC/ams

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## TABLES

**TABLE 1**  
**SUMMARY OF AMENDMENT INJECTIONS**

**Former Wyeth, Carolina Facility, Puerto Rico**

Injection Well ID	Screened Interval (feet bgs)	Injection Dates	Approximate Mass Sodium Lactate Per 1,000 Gallons of water (kg)	Approximate Mass EOS Pro Per 1,000 Gallons of water (kg)	Approximate Mass EOS 100 Per 1,000 Gallons of water (kg)	Approximate Mass Sodium Lactate Injected (kg)	Approximate Mass EOS Pro Injected (kg)	Approximate Mass EOS 100 Injected (kg)	Injection Water Volume <sup>A</sup> (gal)	Flush Water Volume <sup>A</sup> (gal)	Total Injection Volume (gal)
INJ-1	20 - 40	February 2015	20	0	0.0	20.9	0.0	0.0	1,046	99	1,145
		July 2015	20	11	0.0	21.0	11.6	0.0	1,052	48	1,100
		December 2015	0	36.7	0.0	0.0	73.9	0.0	2,014	59	2,073
		January 2016	0	36.7	0.0	0.0	77.2	0.0	2,104	148	2,252
		February 2017	0	0	94.4	0.0	0.0	209.4	2,219	100	2,319
		May 2018	0	0	55.3	0.0	0.0	110.4	1,995	251	2,246
	<b>Total</b>					<b>42.0</b>	<b>162.7</b>	<b>319.8</b>	<b>10,430</b>	<b>705</b>	<b>11,135</b>
INJ-2	19 - 40	February 2015	20	0	0.0	20.3	0.0	0.0	1,014	98	1,112
		July 2015	20	11	0.0	20.9	11.5	0.0	1,046	47	1,093
		December 2015	0	36.7	0.0	0.0	77.3	0.0	2,107	51	2,158
		January 2016	0	36.7	0.0	0.0	70.4	0.0	1,918	227	2,145
		February 2017	0	0	94.4	0.0	0.0	210.5	2,231	100	2,331
		May 2018	0	0	55.3	0.0	0.0	111.9	2,022	120	2,142
	<b>Total</b>					<b>41.2</b>	<b>159.2</b>	<b>322.4</b>	<b>10,338</b>	<b>643</b>	<b>10,981</b>
INJ-3	19 - 40	February 2015	20	0	0.0	19.1	0.0	0.0	953	100	1,053
		July 2015	20	11	0.0	20.6	11.4	0.0	1,032	47	1,079
		December 2015	0	36.7	0.0	0.0	76.6	0.0	2,087	62	2,149
		January 2016	0	36.7	0.0	0.0	77.8	0.0	2,119	279	2,398
		February 2017	0	0	94.4	0.0	0.0	221.3	2,346	100	2,446
		May 2018	0	0	55.3	0.0	0.0	110.7	2,000	194	2,194
	<b>Total</b>					<b>39.7</b>	<b>165.7</b>	<b>332.0</b>	<b>10,537</b>	<b>782</b>	<b>11,319</b>
INJ-4	40 - 50	February 2015	20	0	0.0	2.0	0.0	0.0	100	0	100
		July 2015	0	36.7	0.0	0.0	5.8	0.0	158	10	168
		December 2015	0	36.7	0.0	0.0	37.9	0.0	1,033	65	1,098
		January 2016	0	36.7	0.0	0.0	3.8	0.0	104	13	117
	<b>Total</b>					<b>2.0</b>	<b>47.5</b>	<b>0.0</b>	<b>1,395</b>	<b>88</b>	<b>1,483</b>
INJ-5	40 - 50	February 2015	20	0	0.0	25.6	0.0	0.0	1,280	100	1,380
		September 2015	0	36.7	0.0	0.0	51.1	0.0	1,393	73	1,466
		January 2016	0	36.7	0.0	0.0	46.7	0.0	1,273	147	1,420
	<b>Total</b>					<b>25.6</b>	<b>97.8</b>	<b>0.0</b>	<b>3,946</b>	<b>320</b>	<b>4,266</b>
INJ-6	40 - 50	February 2015	20	0	0.0	28.0	0.0	0.0	1,401	100	1,501
		September 2015	0	36.7	0.0	0.0	54.7	0.0	1,491	64	1,555
		January 2016	0	36.7	0.0	0.0	48.0	0.0	1,309	124	1,433
	<b>Total</b>					<b>28.0</b>	<b>102.8</b>	<b>0.0</b>	<b>4,201</b>	<b>288</b>	<b>4,489</b>

**TABLE 1**  
**SUMMARY OF AMENDMENT INJECTIONS**

Former Wyeth, Carolina Facility, Puerto Rico

Injection Well ID	Screened Interval (feet bgs)	Injection Dates	Approximate Mass Sodium Lactate Per 1,000 Gallons of water (kg)	Approximate Mass EOS Pro Per 1,000 Gallons of water (kg)	Approximate Mass EOS 100 Per 1,000 Gallons of water (kg)	Approximate Mass Sodium Lactate Injected (kg)	Approximate Mass EOS Pro Injected (kg)	Approximate Mass EOS 100 Injected (kg)	Injection Water Volume <sup>A</sup> (gal)	Flush Water Volume <sup>A</sup> (gal)	Total Injection Volume (gal)
INJ-7	50 - 60	February 2015	20	0	0.0	20.4	0.0	0.0	1,019	103	1,122
		July 2015	20	11	0.0	19.0	10.5	0.0	950	56	1,006
		October 2015	0	36.7	0.0	0.0	37.7	0.0	1,027	48	1,075
		January 2016	0	36.7	0.0	0.0	36.7	0.0	1,000	50	1,050
	<b>Total</b>					<b>39.4</b>	<b>84.8</b>	<b>0.0</b>	<b>3,996</b>	<b>257</b>	<b>4,253</b>
INJ-8	40 - 50	February 2015	20	0	0.0	21.0	0.0	0.0	1,049	92	1,141
		July 2015	20	11	0.0	20.1	11.0	0.0	1,003	54	1,057
		October 2015	0	36.7	0.0	0.0	37.3	0.0	1,015	49	1,064
		January 2016	0	36.7	0.0	0.0	36.7	0.0	1,000	50	1,050
		May 2018	0	73.6	0.0	0.0	69.7	0.0	947	110	1,057
	<b>Total</b>					<b>41.0</b>	<b>154.7</b>	<b>0.0</b>	<b>5,014</b>	<b>355</b>	<b>5,369</b>
INJ-9	50 - 60	February 2015	20	0	0.0	20.3	0.0	0.0	1,017	104	1,121
		July 2015	20	11	0.0	21.1	11.6	0.0	1,056	50	1,106
		October 2015	0	36.7	0.0	0.0	43.4	0.0	1,182	69	1,251
		January 2016	0	36.7	0.0	0.0	36.7	0.0	1,000	50	1,050
		May 2018	0	73.6	0.0	0.0	36.8	0.0	500	113	613
	<b>Total</b>					<b>41.5</b>	<b>128.5</b>	<b>0.0</b>	<b>4,755</b>	<b>386</b>	<b>5,141</b>
INJ-10	40 - 50	February 2015	20	0	0.0	22.4	0.0	0.0	1,122	100	1,222
		July 2015	20	11	0.0	21.8	12.0	0.0	1,090	51	1,141
		October 2015	0	36.7	0.0	0.0	44.1	0.0	1,201	58	1,259
		January 2016	0	36.7	0.0	0.0	0.8	0.0	22	50	72
		May 2018	0	73.6	0.0	0.0	33.5	0.0	455	100	555
	<b>Total</b>					<b>44.2</b>	<b>90.4</b>	<b>0.0</b>	<b>3,890</b>	<b>359</b>	<b>4,249</b>
INJ-11	50 - 60	February 2015	20	0	0.0	20.5	0.0	0.0	1,024	100	1,124
		July 2015	20	11	0.0	9.9	5.4	0.0	494	50	544
		October 2015	0	36.7	0.0	0.0	17.1	0.0	467	26	493
		January 2016	0	36.7	0.0	0.0	4.2	0.0	115	50	165
		May 2018	0	75.9	0.0	0.0	36.4	0.0	479	84	563
	<b>Total</b>					<b>30.4</b>	<b>63.1</b>	<b>0.0</b>	<b>2,579</b>	<b>310</b>	<b>2,889</b>
INJ-12	40 - 50	February 2015	20	0	0.0	20.8	0.0	0.0	1,041	104	1,145
		July 2015	20	11	0.0	20.4	11.2	0.0	1,022	50	1,072
		October 2015	0	36.7	0.0	0.0	42.4	0.0	1,155	57	1,212
		January 2016	0	36.7	0.0	0.0	10.4	0.0	285	50	335
		May 2018	0	75.9	0.0	0.0	38.7	0.0	510	100	610
	<b>Total</b>					<b>41.3</b>	<b>102.8</b>	<b>0.0</b>	<b>4,013</b>	<b>361</b>	<b>4,374</b>

**TABLE 1**  
**SUMMARY OF AMENDMENT INJECTIONS**

Former Wyeth, Carolina Facility, Puerto Rico

Injection Well ID	Screened Interval (feet bgs)	Injection Dates	Approximate Mass Sodium Lactate Per 1,000 Gallons of water (kg)	Approximate Mass EOS Pro Per 1,000 Gallons of water (kg)	Approximate Mass EOS 100 Per 1,000 Gallons of water (kg)	Approximate Mass Sodium Lactate Injected (kg)	Approximate Mass EOS Pro Injected (kg)	Approximate Mass EOS 100 Injected (kg)	Injection Water Volume <sup>A</sup> (gal)	Flush Water Volume <sup>A</sup> (gal)	Total Injection Volume (gal)
INJ-13	35 - 45	February 2015	20	0	0.0	20.9	0.0	0.0	1,044	100	1,144
		October 2015	0	36.7	0.0	0.0	37.6	0.0	1,024	53	1,077
		January 2016	0	36.7	0.0	0.0	36.7	0.0	1,000	50	1,050
		May 2018	0	75.9	0.0	0.0	68.6	0.0	903	100	1,003
	<b>Total</b>					<b>20.9</b>	<b>142.8</b>	<b>0.0</b>	<b>3,971</b>	<b>303</b>	<b>4,274</b>
INJ-14	37 - 47	February 2015	20	0	0.0	20.2	0.0	0.0	1,008	100	1,108
		October 2015	0	36.7	0.0	0.0	36.4	0.0	991	54	1,045
		January 2016	0	36.7	0.0	0.0	36.7	0.0	1,000	50	1,050
		May 2018	0	75.9	0.0	0.0	66.4	0.0	874	100	974
	<b>Total</b>					<b>20.2</b>	<b>139.4</b>	<b>0.0</b>	<b>3,873</b>	<b>304</b>	<b>4,177</b>
INJ-15	27 - 37	July 2015	20	11	0.0	20.7	11.4	0.0	1,034	42	1,076
		January 2016	0	36.7	0.0	0.0	36.7	0.0	1,000	155	1,155
		February 2017	0	0	94.4	0.0	0.0	178.8	1,895	100	1,995
		May 2018	0	0	169.3	0.0	0.0	255.8	1,511	104	1,615
	<b>Total</b>					<b>20.7</b>	<b>48.1</b>	<b>434.6</b>	<b>5,440</b>	<b>401</b>	<b>5,841</b>
INJ-16	26 - 36	January 2016	0	36.7	0.0	0.0	37.7	0.0	1,028	274	1,302
		May 2018	0	0	169.3	0.0	0.0	95.3	563	198	761
	<b>Total</b>					<b>0.0</b>	<b>37.7</b>	<b>95.3</b>	<b>1,591</b>	<b>472</b>	<b>2,063</b>
INJ-17	26 - 31	January 2016	0	36.7	0.0	0.0	40.8	0.0	1,112	205	1,317
		May 2018	0	0	169.3	0.0	0.0	95.0	561	135	696
	<b>Total</b>					<b>0.0</b>	<b>40.8</b>	<b>95.0</b>	<b>1,673</b>	<b>340</b>	<b>2,013</b>
INJ-18	25 - 30	January 2016	0	36.7	0.0	0.0	19.4	0.0	529	123	652
	<b>Total</b>					<b>0.0</b>	<b>19.4</b>	<b>0.0</b>	<b>529</b>	<b>123</b>	<b>652</b>
INJ-19	25 - 35	January 2016	0	36.7	0.0	0.0	45.4	0.0	1,238	195	1,433
	<b>Total</b>					<b>0.0</b>	<b>45.4</b>	<b>0.0</b>	<b>1,238</b>	<b>195</b>	<b>1,433</b>
INJ-20	37 - 47	January 2016	0	36.7	0.0	0.0	49.3	0.0	1,342	100	1,442
	<b>Total</b>					<b>0.0</b>	<b>49.3</b>	<b>0.0</b>	<b>1,342</b>	<b>100</b>	<b>1,442</b>
INJ-21	43 - 58	January 2016	0	36.7	0.0	0.0	48.3	0.0	1,315	26	1,341
	<b>Total</b>					<b>0.0</b>	<b>48.3</b>	<b>0.0</b>	<b>1,315</b>	<b>26</b>	<b>1,341</b>
INJ-22	43 - 53	January 2016	0	36.7	0.0	0.0	36.7	0.0	1,000	116	1,116
		April 2018	0	0	110.1	0.0	0.0	111.6	1,014	100	1,114
	<b>Total</b>					<b>0.0</b>	<b>36.7</b>	<b>111.6</b>	<b>2,014</b>	<b>216</b>	<b>2,230</b>
INJ-23	42 - 49	January 2016	0	36.7	0.0	0.0	36.7	0.0	1,000	55	1,055
		April 2018	0	0	110.1	0.0	0.0	110.1	1,000	100	1,100
	<b>Total</b>					<b>0.0</b>	<b>36.7</b>	<b>110.1</b>	<b>2,000</b>	<b>155</b>	<b>2,155</b>

**TABLE 1**  
**SUMMARY OF AMENDMENT INJECTIONS**

**Former Wyeth, Carolina Facility, Puerto Rico**

Injection Well ID	Screened Interval (feet bgs)	Injection Dates	Approximate Mass Sodium Lactate Per 1,000 Gallons of water (kg)	Approximate Mass EOS Pro Per 1,000 Gallons of water (kg)	Approximate Mass EOS 100 Per 1,000 Gallons of water (kg)	Approximate Mass Sodium Lactate Injected (kg)	Approximate Mass EOS Pro Injected (kg)	Approximate Mass EOS 100 Injected (kg)	Injection Water Volume <sup>A</sup> (gal)	Flush Water Volume <sup>A</sup> (gal)	Total Injection Volume (gal)
INJ-24	41 - 51	January 2016	0	36.7	0.0	0.0	36.7	0.0	1,000	184	1,184
		April 2018	0	0	110.1	0.0	0.0	111.3	1,011	104	1,115
	<b>Total</b>					<b>0.0</b>	<b>36.7</b>	<b>111.3</b>	<b>2,011</b>	<b>288</b>	<b>2,299</b>
INJ-25	44 - 54	January 2016	0	36.7	0.0	0.0	42.2	0.0	1,151	50	1,201
		April 2018	0	102.1	0.0	0.0	95.2	0.0	933	108	1,041
	<b>Total</b>					<b>0.0</b>	<b>137.5</b>	<b>0.0</b>	<b>2,084</b>	<b>158</b>	<b>2,242</b>
INJ-26	19 - 36	January 2016	0	36.7	0.0	0.0	65.6	0.0	1,787	131	1,918
	<b>Total</b>					<b>0.0</b>	<b>65.6</b>	<b>0.0</b>	<b>1,787</b>	<b>131</b>	<b>1,918</b>
INJ-27	33 - 43	February 2017	0	52.5	0.0	0.0	52.5	0.0	1,000	100	1,100
	<b>Total</b>					<b>0.0</b>	<b>52.5</b>	<b>0.0</b>	<b>1,000</b>	<b>100</b>	<b>1,100</b>
INJ-28	33 - 53	February 2017	0	52.5	0.0	0.0	106.3	0.0	2,024	100	2,124
	<b>Total</b>					<b>0.0</b>	<b>106.3</b>	<b>0.0</b>	<b>2,024</b>	<b>100</b>	<b>2,124</b>
INJ-29	26.5 - 36.5	February 2017	0	52.5	0.0	0.0	52.5	0.0	1,000	100	1,100
	<b>Total</b>					<b>0.0</b>	<b>52.5</b>	<b>0.0</b>	<b>1,000</b>	<b>100</b>	<b>1,100</b>
INJ-30	32.5 - 42.5	February 2017	0	52.5	0.0	0.0	52.5	0.0	1,000	100	1,100
		April 2018	0	167.5	0.0	0.0	161.2	0.0	962	134	1,096
	<b>Total</b>					<b>0.0</b>	<b>213.7</b>	<b>0.0</b>	<b>1,962</b>	<b>234</b>	<b>2,196</b>
INJ-31	40.4 - 61	February 2017	0	0	94.4	0.0	0.0	120.1	1,273	72	1,345
		May 2018	0	0	169.3	0.0	0.0	64.5	381	44	425
	<b>Total</b>					<b>0.0</b>	<b>0.0</b>	<b>184.6</b>	<b>1,654</b>	<b>116</b>	<b>1,770</b>
INJ-32	58.1 - 78	February 2017	0	0	29.6	0.0	0.0	59.2	2,000	0	2,000
	<b>Total</b>					<b>0.0</b>	<b>0.0</b>	<b>59.2</b>	<b>2,000</b>	<b>0</b>	<b>2,000</b>
INJ-33	41.1 - 61.75	February 2017	0	0	68.5	0.0	0.0	137.1	2,003	100	2,103
		April 2018	0	0	77.7	0.0	0.0	185.2	2,384	173	2,557
	<b>Total</b>					<b>0.0</b>	<b>0.0</b>	<b>322.4</b>	<b>4,387</b>	<b>273</b>	<b>4,660</b>
INJ-34	43.4 - 63	February 2017	0	0	68.5	0.0	0.0	113.5	1,658	100	1,758
		April 2018	0	0	77.7	0.0	0.0	61.0	785	76	861
	<b>Total</b>					<b>0.0</b>	<b>0.0</b>	<b>174.5</b>	<b>2,443</b>	<b>176</b>	<b>2,619</b>
INJ-35	43 - 63	February 2017	0	0	68.5	0.0	0.0	148.5	2,170	100	2,270
		April 2018	0	0	77.7	0.0	0.0	197.8	2,545	139	2,684
	<b>Total</b>					<b>0.0</b>	<b>0.0</b>	<b>346.3</b>	<b>4,715</b>	<b>239</b>	<b>4,954</b>
INJ-36	30.91 - 40.36	February 2017	0	89.3	0.0	0.0	70.8	0.0	793	100	893
		April 2018	0	102.1	0.0	0.0	100.8	0.0	987	100	1,087
	<b>Total</b>					<b>0.0</b>	<b>171.5</b>	<b>0.0</b>	<b>1,780</b>	<b>200</b>	<b>1,980</b>

**TABLE 1**  
**SUMMARY OF AMENDMENT INJECTIONS**

Former Wyeth, Carolina Facility, Puerto Rico

Injection Well ID	Screened Interval (feet bgs)	Injection Dates	Approximate Mass Sodium Lactate Per 1,000 Gallons of water (kg)	Approximate Mass EOS Pro Per 1,000 Gallons of water (kg)	Approximate Mass EOS 100 Per 1,000 Gallons of water (kg)	Approximate Mass Sodium Lactate Injected (kg)	Approximate Mass EOS Pro Injected (kg)	Approximate Mass EOS 100 Injected (kg)	Injection Water Volume <sup>A</sup> (gal)	Flush Water Volume <sup>A</sup> (gal)	Total Injection Volume (gal)
INJ-37	32.7 - 42.4	February 2017	0	89.3	0.0	0.0	101.7	0.0	1,139	125	1,264
		April 2018	0	167.5	0.0	0.0	160.8	0.0	960	108	1,068
		<b>Total</b>				<b>0.0</b>	<b>262.5</b>	<b>0.0</b>	<b>2,099</b>	<b>233</b>	<b>2,332</b>
INJ-38	37 - 47	April 2018	0	172.9	0.0	0.0	175.9	0.0	1,017	100	1,117
		<b>Total</b>				<b>0.0</b>	<b>175.9</b>	<b>0.0</b>	<b>1,017</b>	<b>100</b>	<b>1,117</b>
INJ-39	36 - 46	April 2018	0	172.9	0.0	0.0	174.1	0.0	1,007	100	1,107
		<b>Total</b>				<b>0.0</b>	<b>174.1</b>	<b>0.0</b>	<b>1,007</b>	<b>100</b>	<b>1,107</b>
MW-26S	37 - 47	May 2018	0	102.5	0.0	0.0	94.0	0.0	917	185	1,102
		<b>Total</b>				<b>0.0</b>	<b>94.0</b>	<b>0.0</b>	<b>917</b>	<b>185</b>	<b>1,102</b>
MW-29S	33 - 43	May 2018	0	102.5	0.0	0.0	102.0	0.0	995	180	1,175
		<b>Total</b>				<b>0.0</b>	<b>102.0</b>	<b>0.0</b>	<b>995</b>	<b>180</b>	<b>1,175</b>

Notes:

<sup>A</sup>Values calculated from injection manifold flow meter readings

bgs - below ground surface

kg - kilogram

gal - gallons

**TABLE 2**  
**MONITORING WELL COMPLETION AND GROUNDWATER ELEVATION SUMMARY**

Former Wyeth, Carolina Facility, Puerto Rico

<b>WELL DESIGNATION</b>	<b>MW-01S</b>		<b>MW-02S</b>		<b>MW-03S</b>		<b>MW-04S</b>		<b>MW-05S</b>		<b>MW-06S</b>		<b>MW-07S</b>					
	<b>DIAMETER</b>	2 in	<b>WELL DEPTH</b>	2 in	<b>SCREEN INTERVAL</b>	2 in	<b>TOC ELEVATION<sup>1</sup></b>	2 in	<b>SCREEN ELEVATION<sup>1</sup></b>	2 in	<b>TOC ELEVATION<sup>1</sup></b>	2 in	<b>SCREEN ELEVATION<sup>1</sup></b>	2 in				
<b>DATE</b>	<b>ELEV</b>	<b>DTW</b>	<b>FP</b>	<b>ELEV</b>	<b>DTW</b>	<b>FP</b>	<b>ELEV</b>	<b>DTW</b>	<b>FP</b>	<b>ELEV</b>	<b>DTW</b>	<b>FP</b>	<b>ELEV</b>	<b>DTW</b>	<b>FP</b>	<b>ELEV</b>	<b>DTW</b>	<b>FP</b>
2/2/2011	37.54	20.98		31.99	19.79		33.13	13.30		29.31	4.61		31.94	1.41		33.66	6.81	
10/17/2011	39.49	19.03		32.65	19.13		33.74	12.69		30.37	3.55		32.01	1.34		33.82	6.65	
9/12/2012	38.11	20.41		31.79	19.99		33.22	13.21		30.07	3.85		31.96	1.39		33.89	6.58	
4/17/2013	NM	NM		30.94	20.84		31.98	14.45		NM	NM		NM	NM		NM	NM	
12/6/2013	NM	NM		33.82	17.96		34.56	11.87		NM	NM		32.95	0.40		34.85	5.62	
2/3/2015	NM	NM		32.03	19.75		33.20	13.23		NM	NM		31.90	1.45		33.78	6.69	
3/17/2015	NM	NM		31.28	20.50		NM	NM		NM	NM		NM	NM		NM	NM	
4/20/2015	NM	NM		30.18	21.60		NM	NM		NM	NM		NM	NM		NM	NM	
7/8/2015	NM	NM		29.81	21.97		31.07	15.36		28.30	5.62		30.40	2.95		32.22	8.25	
7/20/2016	36.89	21.63		31.44	20.34		32.52	13.91		30.82	3.10		32.07	1.28		33.30	7.17	
6/19/2017	38.29	20.23		31.55	20.23		NM	NM		NM	NM		NM	NM		NM	NM	
1/23/2018	NM	NM		NM	NM		NM	NM		NM	NM		NM	NM		NM	NM	
9/19/2018	36.84	21.68		31.43	20.35		32.53	13.90		NM	NM		NM	NM		NM	NM	
3/26/2019	NM	NM		30.83	20.95		NM	NM		NM	NM		NM	NM		NM	NM	

**TABLE 2**  
**MONITORING WELL COMPLETION AND GROUNDWATER ELEVATION SUMMARY**

Former Wyeth, Carolina Facility, Puerto Rico

WELL DESIGNATION	MW-08S			MW-09S			MW-10S			MW-11S			MW-12S			MW-13S			MW-14S				
	DIAMETER	2	in																				
WELL DEPTH	40	ft	WELL DEPTH	21.4	ft	WELL DEPTH	40	ft	WELL DEPTH	40	ft	WELL DEPTH	27.5	ft	WELL DEPTH	40	ft	WELL DEPTH	40	ft	WELL DEPTH	40	ft
SCREEN INTERVAL	30 - 40	ft	SCREEN INTERVAL	11.4 - 21.4	ft	SCREEN INTERVAL	30 - 40	ft	SCREEN INTERVAL	30 - 40	ft	SCREEN INTERVAL	17.5 - 27.5	ft	SCREEN INTERVAL	30 - 40	ft	SCREEN INTERVAL	30 - 40	ft	SCREEN INTERVAL	30 - 40	ft
TOC ELEVATION <sup>1</sup>	50.791	ft	TOC ELEVATION <sup>1</sup>	41.902	ft	TOC ELEVATION <sup>1</sup>	52.875	ft	TOC ELEVATION <sup>1</sup>	52.901	ft	TOC ELEVATION <sup>1</sup>	44.443	ft	TOC ELEVATION <sup>1</sup>	56.045	ft	TOC ELEVATION <sup>1</sup>	56.051	ft	TOC ELEVATION <sup>1</sup>	26.108 to 16.108	ft
SCREEN ELEVATION <sup>1</sup>	20.791 to 10.791	ft	SCREEN ELEVATION <sup>1</sup>	30.502 to 20.502	ft	SCREEN ELEVATION <sup>1</sup>	22.909 to 12.909	ft	SCREEN ELEVATION <sup>1</sup>	22.901 to 12.901	ft	SCREEN ELEVATION <sup>1</sup>	26.943 to 16.943	ft	SCREEN ELEVATION <sup>1</sup>	26.045 to 16.045	ft	SCREEN ELEVATION <sup>1</sup>	26.108 to 16.108	ft	SCREEN ELEVATION <sup>1</sup>	26.108 to 16.108	ft
DATE	ELEV	DTW	FP																				
2/2/2011	NI	NI																					
10/17/2011	34.41	16.38		37.20	4.70		NI	NI															
9/12/2012	33.93	16.86		36.91	4.99		NI	NI															
4/17/2013	NM	NM		NM	NM		NI	NI															
12/6/2013	35.27	15.52		37.93	3.97		35.84	17.04		34.57	18.33		34.51	9.93		35.12	20.93		39.20	16.85			
2/3/2015	33.88	16.91		37.02	4.88		34.34	18.54		32.62	20.28		33.05	11.39		33.75	22.30		37.94	18.11			
3/17/2015	NM	NM		32.73	23.32		NM	NM															
4/20/2015	NM	NM		33.05	23.00		NM	NM															
7/8/2015	31.69	19.10		35.47	6.43		32.13	20.75		30.28	22.62		30.70	13.74		31.34	24.71		34.81	21.24			
7/20/2016	33.23	17.56		36.70	5.20		33.70	19.18		32.02	20.88		32.26	12.18		33.02	23.03		35.95	20.10			
6/19/2017	NM	NM		33.05	23.00		NM	NM															
1/25/2018	NM	NM		34.20	21.85		NM	NM															
9/20/2018	NM	NM		36.85	5.05		33.75	19.13		31.85	21.05		32.35	12.09		33.05	23.00		NM	NM			
WELL DESIGNATION	MW-15S			MW-16S			MW-17S			MW-18S			MW-19S			MW-20S			MW-21S				
DIAMETER	2	in																					
WELL DEPTH	32.5	ft		48	ft		50	ft		60	ft		50	ft		50	ft		47	ft			
SCREEN INTERVAL	22.5 - 32.5	ft		38 - 48	ft		40 - 50	ft		50 - 60	ft		40 - 50	ft		40 - 50	ft		37 - 47	ft			
TOC ELEVATION <sup>1</sup>	49.90	ft		52.314	ft		55.684	ft		55.552	ft		55.632	ft		55.459	ft		49.447	ft			
SCREEN ELEVATION <sup>1</sup>	27.40 to 17.40	ft		14.261 to 4.261	ft		15.684 to 5.684	ft		5.552 to -4.448	ft		15.632 to 5.632	ft		15.459 to 5.459	ft		12.734 to 2.734	ft			
DATE	ELEV	DTW	FP																				
12/6/2013	33.45	16.45		NI	NI																		
2/3/2015	31.31	18.59		33.04	19.27		33.74	21.94		33.72	21.83		NI	NI		NI	NI		NI	NI			
3/17/2015	NM	NM		32.08	20.23		32.65	23.03		32.76	22.79		NI	NI		NI	NI		NI	NI			
4/20/2015	NM	NM		30.86	21.45		32.08	23.60		32.75	22.80		NI	NI		NI	NI		NI	NI			
7/8/2015	29.22	20.68		30.73	21.58		31.32	24.36		31.32	24.23		31.17	24.46		31.10	24.36		29.48	19.97			
7/20/2016	30.73	19.17		32.43	19.88		31.03	24.65		32.43	23.12		32.82	22.81		32.77	22.69		30.98	18.47			
6/19/2017	NM	NM		30.31	22.00		33.68	22.00		33.35	22.20		NM	NM		NM	NM		31.00	18.45			
7/26/2017	NM	NM		32.97	19.34		NM	NM															
1/25/2018	NM	NM		NM	NM		NM	NM		34.07	21.48		NM	NM		NM	NM		32.10	17.35			
9/21/2018	31.37	18.53		32.35	19.96		32.38	23.30		33.05	22.50		NM	NM		32.83	22.63		30.85	18.60			
3/26/2019	NM	NM		31.71	20.60		32.22	23.46		32.30	23.25		NM	NM		32.06	23.40		30.45	19.00			

**TABLE 2**  
**MONITORING WELL COMPLETION AND GROUNDWATER ELEVATION SUMMARY**

Former Wyeth, Carolina Facility, Puerto Rico

WELL DESIGNATION	MW-22S			MW-23S			MW-24S			MW-26S			MW-28S			MW-29S			MW-31S			
	DIAMETER	2	in	DIAMETER	2	in	DIAMETER	2	in	DIAMETER	2		DIAMETER	2		DIAMETER	2		DIAMETER	2		
WELL DEPTH	30.25 ft			43 ft			40 ft			47.4			60			43.5			20			
SCREEN INTERVAL	20 - 30 ft			33 - 43 ft			30 - 40 ft			37.4 - 47.4			50 - 60			33.5 - 43.5			10 - 20			
TOC ELEVATION <sup>1</sup>	49.75 ft			54.110 ft			55.281 ft			56.183			NM			55.794			45.695			
SCREEN ELEVATION <sup>1</sup>	29.75 to 19.75 ft			21.11 to 11.11 ft			25.28 to 15.28 ft			NA			NA			NA			NA			
DATE	ELEV	DTW	FP	ELEV	DTW	FP	ELEV	DTW	FP	ELEV	DTW	FP	ELEV	DTW	FP	ELEV	DTW	FP	ELEV	DTW	FP	
7/20/2016	30.97	18.78		35.39	18.72		31.60	23.68														
11/18/2016																	21.57					
6/20/2017	NM	NM		NM	NM		NM	NM		35.98	20.20		NM	NM		36.24	19.55		30.67	15.03		
7/26/2017	NM	NM		NM	NM		NM	NM		37.43	18.75		NM	NM		NM	NM		31.05	14.65		
1/23/2018	NM	NM		NM	NM		NM	NM		NM	NM		NM	NM		NM	NM		31.78	13.92		
9/24/2018	30.83	18.92		NM	NM		NM	NM		36.03	20.15		NM	24.00		NM	NM		NM	NM		
WELL DESIGNATION	MW-02D			MW-03D			MW-07D			MW-30D												
DIAMETER	2 in			2 in			2 in			2 in												
WELL DEPTH	87.2 ft			69 ft			98 ft			76 ft												
SCREEN INTERVAL	77.2 - 87.2 ft			69 - 79 ft			88 - 98 ft			66 - 76 ft												
TOC ELEVATION <sup>1</sup>	51.506 ft			46.553 ft			46.653 ft			NM ft												
SCREEN ELEVATION <sup>1</sup>	-25.694 to -35.694 ft			-22.447 to -32.447 ft			-41.347 to -51.347 ft			NA ft												
DATE	ELEV	DTW	FP	ELEV	DTW	FP	ELEV	DTW	FP													
2/2/2011	33.35	18.16		33.56	12.99		NI	NI														
10/17/2011	33.90	17.61		34.10	12.45		33.58	13.07														
9/12/2012	33.05	18.46		33.61	12.94		32.77	13.88														
4/17/2013	31.89	19.62		32.31	14.24		31.64	15.01														
12/6/2013	34.69	16.82		34.93	11.62		34.45	12.20														
2/3/2015	33.16	18.35		33.56	12.99		32.88	13.77														
3/17/2015	32.35	19.16		NM	NM		31.90	14.75														
4/20/2015	30.96	20.55		NM	NM		31.05	15.60														
7/8/2015	30.87	20.64		31.41	15.14		30.59	16.06														
7/20/2016	32.49	19.02		32.88	13.67		32.24	14.41														
11/18/2016	NM	NM		NM	NM		NM	NM			16.35											
6/19/2017	32.56	18.95		NM	NM		NM	NM														
1/23/2018	NM	NM		NM	NM		33.30	13.35														
1/24/2018	33.62	17.89		NM	NM		NM	NM														
9/19/2018	32.56	18.95		NM	NM		31.97	14.68														
3/26/2019	31.86	19.65		NM	NM		NM	NM														

**TABLE 2**  
**MONITORING WELL COMPLETION AND GROUNDWATER ELEVATION SUMMARY**

## **Former Wyeth, Carolina Facility, Puerto Rico**

**TABLE 2**  
**MONITORING WELL COMPLETION AND GROUNDWATER ELEVATION SUMMARY**

Former Wyeth, Carolina Facility, Puerto Rico

WELL DESIGNATION	INJ-15			INJ-16			INJ-17			INJ-18			INJ-19			INJ-20			INJ-21		
	DIAMETER	2	in	DIAMETER	2	in	DIAMETER	2	in	DIAMETER	2	in	DIAMETER	2	in	DIAMETER	2	in	DIAMETER	2	in
WELL DEPTH	37	ft		36	ft		31	ft		30	ft		35.75	ft		47.25	ft		58	ft	
SCREEN INTERVAL	27 - 37	ft		26 - 36	ft		26 - 31	ft		25 - 30	ft		25.25 - 35.25	ft		37 - 47	ft		43 - 58	ft	
TOC ELEVATION <sup>1</sup>	49.506	ft		51.58	ft		52.55	ft		52.62	ft		52.52	ft		52.64	ft		55.18	ft	
SCREEN ELEVATION <sup>1</sup>	22.506 to 12.506	ft		25.58 to 15.58	ft		26.55 to 21.55	ft		26.62 to 21.62	ft		27.27 to 17.27	ft		15.64 to 5.64	ft		12.18 to -2.82	ft	
DATE	ELEV	DTW	FP	ELEV	DTW	FP	ELEV	DTW	FP	ELEV	DTW	FP	ELEV	DTW	FP	ELEV	DTW	FP	ELEV	DTW	FP
7/8/2015	29.61	19.90		NI	NI																
7/20/2016	31.05	18.46		31.31	20.27		31.53	21.02		31.57	21.05		31.475	21.04		32.095	20.54		32.497	22.68	
7/27/2017	NM	NM		32.08	19.50		NM	NM		32.62	20.00		NM	NM		NM	NM		NM	NM	
WELL DESIGNATION	INJ-22			INJ-23			INJ-24			INJ-25			INJ-26			INJ-27			INJ-28		
DIAMETER	2	in		2	in		2	in		2	in		2	in		2	in		2	in	
WELL DEPTH	53.5	ft		49.5	ft		51.25	ft		54	ft		36.3	ft		43	ft		53	ft	
SCREEN INTERVAL	43.5 - 53.5	ft		42.5 - 49.5	ft		41 - 51	ft		44 - 54	ft		19.5 - 36.3	ft		33 - 43	ft		33 - 53	ft	
TOC ELEVATION <sup>1</sup>	55.080	ft		55.01	ft		54.98	ft		56.04	ft		52.54	ft		53.78	ft		53.93	ft	
SCREEN ELEVATION <sup>1</sup>	11.58 to 1.58	ft		12.51 to 5.51	ft		13.98 to 3.98	ft		12.15 to 2.15	ft		33.04 to 16.24	ft		20.78 to 10.78	ft		20.93 to 0.93	ft	
DATE	ELEV	DTW	FP	ELEV	DTW	FP	ELEV	DTW	FP	ELEV	DTW	FP	ELEV	DTW	FP	ELEV	DTW	FP	ELEV	DTW	FP
7/20/2016	32.57	22.51		32.60	22.41		32.65	22.33		34.63	21.41		31.23	21.31		34.97	18.81		32.55	21.38	
6/19/2017	NM	NM		NM	NM		32.78	22.20		NM	NM										
7/27/2017	33.33	21.75		NM	NM		NM	NM		35.14	20.90		NM	NM		NM	NM		NM	NM	
1/25/2018	NM	NM		35.81	19.20		33.69	21.29		NM	NM										
9/19/2018	NM	NM		NM	NM		32.13	22.85		35.04	21.00		NM	NM		NM	NM		NM	NM	
3/26/2019	NM	NM		31.56	23.45		31.71	23.27		NM	NM										

**TABLE 2**  
**MONITORING WELL COMPLETION AND GROUNDWATER ELEVATION SUMMARY**  
**Former Wyeth, Carolina Facility, Puerto Rico**

WELL DESIGNATION	INJ-29			INJ-30			INJ-31			INJ-32			INJ-33			INJ-34			INJ-35				
	DIAMETER	2	in	DIAMETER	2	in	DIAMETER	6	in	DIAMETER	6	in	DIAMETER	6	in	DIAMETER	6	in	DIAMETER	6	in		
WELL DEPTH	36.5	ft	WELL DEPTH	42.5	ft	WELL DEPTH	61	ft	WELL DEPTH	78	ft	WELL DEPTH	61.8	ft	WELL DEPTH	63	ft	WELL DEPTH	63	ft	WELL DEPTH	63	ft
SCREEN INTERVAL	26.5 - 36.5	ft	SCREEN INTERVAL	32.5 - 42.5	ft	SCREEN INTERVAL	41 - 61*	ft	SCREEN INTERVAL	58 - 78*	ft	SCREEN INTERVAL	41.1 - 61.8*	ft	SCREEN INTERVAL	43 - 63*	ft	SCREEN INTERVAL	43 - 63*	ft	SCREEN INTERVAL	43 - 63*	ft
TOC ELEVATION <sup>1</sup>	53.786	ft	TOC ELEVATION <sup>1</sup>	55.50	ft	TOC ELEVATION <sup>1</sup>	NM	ft	TOC ELEVATION <sup>1</sup>	NM	ft	TOC ELEVATION <sup>1</sup>	51.624	ft	TOC ELEVATION <sup>1</sup>	51.942	ft	TOC ELEVATION <sup>1</sup>	51.882	ft	TOC ELEVATION <sup>1</sup>		ft
SCREEN ELEVATION <sup>1</sup>	27.286 to 17.286	ft	SCREEN ELEVATION <sup>1</sup>	23.0 to 13.0	ft	SCREEN ELEVATION <sup>1</sup>	NA	ft	SCREEN ELEVATION <sup>1</sup>	NA	ft	SCREEN ELEVATION <sup>1</sup>	NA	ft	SCREEN ELEVATION <sup>1</sup>	NA	ft	SCREEN ELEVATION <sup>1</sup>	NA	ft	SCREEN ELEVATION <sup>1</sup>	NA	ft
DATE	ELEV	DTW	FP	ELEV	DTW	FP	ELEV	DTW	FP	ELEV	DTW	FP	ELEV	DTW	FP	ELEV	DTW	FP					
7/20/2016	32.54	21.25		33.86	21.64																		
11/17/2016	NM	NM		NM	NM		NM	NM			19.25		33.62	18.00		34.04	17.90		33.88	18.00			
7/26/2017	NM	NM		NM	NM		NM	NM		NM	NM		NM	NM		33.04	18.90		NM	NM			
1/24/2018	33.17	20.62		35.30	20.20		NM	NM		NM	NM		NM	NM		33.34	18.60		NM	NM			
9/19/2018	NM	NM		34.15	21.35		NM	NM		NM	NM		NM	NM		NM	NM		NM	NM			
WELL DESIGNATION	INJ-36			INJ-37			INJ-38			INJ-39													
	DIAMETER	2	in	DIAMETER	2	in	DIAMETER	2	in	DIAMETER	2	in	DIAMETER	2	in	DIAMETER	2	in	DIAMETER	2	in		
WELL DEPTH	40.8	ft	WELL DEPTH	42.9	ft	WELL DEPTH	47.1	ft	WELL DEPTH	46.3	ft	WELL DEPTH			WELL DEPTH			WELL DEPTH			WELL DEPTH		
SCREEN INTERVAL	30.8 - 40.8	ft	SCREEN INTERVAL	32.9 - 42.9	ft	SCREEN INTERVAL	37.1 - 47.1	ft	SCREEN INTERVAL	36.3 - 46.3	ft	SCREEN INTERVAL			SCREEN INTERVAL			SCREEN INTERVAL			SCREEN INTERVAL		
TOC ELEVATION <sup>1</sup>	55.703	ft	TOC ELEVATION <sup>1</sup>	55.46	ft	TOC ELEVATION <sup>1</sup>	55.027	ft	TOC ELEVATION <sup>1</sup>	55.499	ft	TOC ELEVATION <sup>1</sup>			TOC ELEVATION <sup>1</sup>			TOC ELEVATION <sup>1</sup>			TOC ELEVATION <sup>1</sup>		
SCREEN ELEVATION <sup>1</sup>		ft	SCREEN ELEVATION <sup>1</sup>		ft	SCREEN ELEVATION <sup>1</sup>		ft	SCREEN ELEVATION <sup>1</sup>		ft	SCREEN ELEVATION <sup>1</sup>		ft	SCREEN ELEVATION <sup>1</sup>		ft	SCREEN ELEVATION <sup>1</sup>		ft	SCREEN ELEVATION <sup>1</sup>		ft
DATE	ELEV	DTW	FP	ELEV	DTW	FP	ELEV	DTW	FP	ELEV	DTW	FP	ELEV	DTW	FP	ELEV	DTW	FP					
11/18/2016	37.53	18.17		37.29	18.17																		
6/19/2017	NM	NM		NM	NM		32.93	22.10		35.36	20.14												
1/24/2018	37.05	18.65		NM	NM		NM	NM		NM	NM												
9/18/2018	NM	NM		35.46	20.00		33.63	21.40		35.06	20.44												
3/26/2019	NM	NM		NM	NM		31.93	23.10		NM	NM												
<b>Notes:</b>																							
<sup>1</sup> - Elevations referenced to US Geological Survey Benchmark with mean sea level datum as determined by Javier Bidot Associates, PSC (July 2015).																							
in - inch																							
ft - feet																							
TOC Elevation - top of casing elevation																							
ELEV - elevation (feet)																							
NI - not installed																							
NA - Not applicable																							
* - Open borehole without well screen																							

**TABLE 3**  
**GROUNDWATER ANALYTICAL SUMMARY**  
**CONSTITUENTS OF CONCERN**

**Former Wyeth, Carolina Facility, Puerto Rico**

Sample		Tetrachloroethene	Trichloroethene	1,1-Dichloroethene	cis-1,2-Dichloroethene	1,2-Dichloroethene (Total)*	Vinyl Chloride	Total Organic Carbon	Methane	Ethane	Ethene
Location	Date	5	5	7	70	70	2	NA	NA	NA	NA
	<b>MCL</b>	<b>5</b>	<b>5</b>	<b>7</b>	<b>70</b>	<b>70</b>	<b>2</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>
MW-01S	02/02/2011	0.5	2.8	1.2	0.50 U	0.50 U	0.50 U	NM	NM	NM	NM
	10/17/2011	0.64 I	3.2	0.80 I	0.50 U	0.50 U	0.50 U	NM	NM	NM	NM
	09/12/2012	0.72 I	2.3	0.50 U	0.50 U	0.50 U	0.50 U	1.2	0.12 I	0.20 U	0.037 I
	09/19/2018	1.0	1.6	0.50 U	0.50 U	0.50 U	1.0	NM	NM	NM	NM
MW-02S	02/02/2011	1.4	1,630	9.9	1,490	1,500	303	NM	NM	NM	NM
	10/18/2011	1.6	1,830	7.9	1,780	1,790	253	NM	NM	NM	NM
	09/11/2012	1.4	1,090	7.7	1,200	1,200	222	1.7	410	5.3	4.3
	04/17/2013	1.5	776	9.4	1,280	1,290	130	NM	NM	NM	NM
	12/04/2013	1.3	1,330	7.3	1,390	1,400	329	1.9	600	0.87	1.7
	02/03/2015	1.6	1,550	8.3	1,710	1,730	248	1.8	NM	NM	NM
	03/16/2015	1.3	1,230	7.4	1,370	1,380	186	1.9	200	5.0	2.8
	04/21/2015	1.6	1,260	9.3	1,440	1,450	157	1.9	150	3.9	2.3
	07/17/2015	NM	NM	NM	NM	NM	NM	2.87	NM	NM	NM
	07/24/2015	NM	NM	NM	NM	NM	NM	1.51	NM	NM	NM
	08/07/2015	1.4	1,560	8.3	1,640	1,660	257	1.90	NM	NM	NM
	01/17/2016	0.50 U	278	1.9	381	393	19.3	0.89 I	NM	NM	NM
	04/18/2016	0.56 I	661	5.0	1,080	1,110	354	1.90	NM	NM	NM
	07/26/2016	50.0 U	1,350	50.0 U	1,420	1,550	318	NM	NM	NM	NM
	12/21/2016	0.50 U	353	4.1	621	770	193	NM	NM	NM	NM
	06/20/2017	0.50 U	106	1.9	494	692	185	NM	NM	NM	NM
	09/21/2018	12.5 U	15.0 I	12.5 U	744	928	218	NM	NM	NM	NM
	03/26/2019	3.8 U	9.9 I	3.6 I	975	1190	274	NM	NM	NM	NM

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**Former Wyeth, Carolina Facility, Puerto Rico**

Sample		Tetrachloroethene	Trichloroethene	1,1-Dichloroethene	cis-1,2-Dichloroethene	1,2-Dichloroethene (Total)*	Vinyl Chloride	Total Organic Carbon	Methane	Ethane	Ethene
Location	Date										
MW-02D	02/02/2011	0.50 U	523	4.6	431	439	53.6	NM	NM	NM	NM
	10/18/2011	0.50 U	310	3.3	716	734	32.0	NM	NM	NM	NM
	09/11/2012	0.50 U	205	2.9	379	391	34.2	1.1	430	0.30	1.4
	04/17/2013	0.50U	104	4.3	257	303	20.1	NM	NM	NM	NM
	12/03/2013	0.50 U	347	4.9	653	671	46.0	1.4	350	5.0	3.7
	02/03/2015	0.50 U	341	2.1	481	496	20.5	1.0	NM	NM	NM
	03/16/2015	0.50 U	235	2.1	439	449	17.7	1.1	260	0.23	0.40
	04/21/2015	0.50 U	274	2.7	380	393	18.8	1.1	240	0.23	0.32
	07/26/2016	12.5 U	336	12.5 U	476	495	35.3	NM	NM	NM	NM
	12/21/2016	0.50 U	175	2.2	291	303	27.1	NM	NM	NM	NM
	06/20/2017	0.50 U	320	3.9	571	592	61.5	NM	NM	NM	NM
	01/24/2018	0.50 U	269	8.2	1,250	1,310	166	NM	NM	NM	NM
	09/19/2018	12.5 U	118	12.5 U	775	818	84.0	NM	NM	NM	NM
MW-03S	03/26/2019	3.8 U	170	4.5 I	749	785	87.0	NM	NM	NM	NM
	02/02/2011	85.4	20	6.9	32.2	32.6	4.3	NM	NM	NM	NM
	10/18/2011	133	34.3	7.5	46.9	47.3	4.1	NM	NM	NM	NM
	09/12/2012	110	30.0	7.5	46.6	46.8	4.2	1.4	1.0	0.19 I	0.14 I
	04/17/2013	68	37.9	9.8	54.4	54.9	3.5	NM	NM	NM	NM
	12/04/2013	132	36.8	7.2	45.9	46.2	6.3	1.5	0.46	0.16 I	0.045 I
MW-03D	09/20/2018	89.0	22.9	3.5	27.2	27.5	2.1	NM	NM	NM	NM
	02/02/2011	0.50 U	1.9	0.5	1.2	0.50 U	0.50 U	NM	NM	NM	NM
	10/18/2011	0.50 U	2.4	0.57 I	1.7	1.8	0.50 U	NM	NM	NM	NM
	09/12/2012	0.50 U	1.2	0.50 U	1.1	1.2	0.50 U	1.2	9.4	0.030 I	0.15 I
	04/17/2013	0.50U	1.6	0.5	1.5	2.1	0.50U	NM	NM	NM	NM
MW-04S	12/04/2013	5.4	1.3	0.70 I	1.6	2.2	0.50 U	1.2	7.7	0.048 I	0.36
	02/02/2011	0.50 U	0.50 U	0.5	0.50 U	0.50 U	0.50 U	NM	NM	NM	NM
	10/17/2011	0.50 U	0.50 U	0.58 I	0.50 U	0.50 U	0.50 U	NM	NM	NM	NM
MW-04S	09/12/2012	0.50 U	0.50 U	0.54 I	0.50 U	0.50 U	0.50 U	0.50 U	9.1	0.010 I	0.027 I

**TABLE 3**  
**GROUNDWATER ANALYTICAL SUMMARY**  
**CONSTITUENTS OF CONCERN**

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Sample		Tetrachloroethene	Trichloroethene	1,1-Dichloroethene	cis-1,2-Dichloroethene	1,2-Dichloroethene (Total)*	Vinyl Chloride	Total Organic Carbon	Methane	Ethane	Ethene
Location	Date										
MW-05S	02/02/2011	0.50 U	<b>1.8</b>	<b>1.7</b>	<b>0.5</b>	<b>0.5</b>	0.50 U	NM	NM	NM	NM
	10/17/2011	0.50 U	<b>2.4</b>	<b>0.74 I</b>	<b>0.59 I</b>	<b>0.59 I</b>	0.50 U	NM	NM	NM	NM
	09/12/2012	0.50 U	<b>2.1</b>	<b>1.1</b>	<b>0.74 I</b>	<b>0.74 I</b>	0.50 U	<b>0.72 I</b>	<b>2.6</b>	<b>0.070 I</b>	<b>0.064 I</b>
	12/05/2013	0.50 U	<b>3.7</b>	<b>1.2</b>	<b>0.79 I</b>	<b>0.79 I</b>	0.50 U	<b>1.1</b>	<b>1.9</b>	0.018 U	<b>0.022 I</b>
MW-06S	02/02/2011	0.50 U	<b>19</b>	<b>7.4</b>	<b>4.1</b>	<b>4.1</b>	0.50 U	NM	NM	NM	NM
	10/18/2011	0.50 U	<b>17.9</b>	<b>5.9</b>	<b>4.4</b>	<b>4.4</b>	0.50 U	NM	NM	NM	NM
	09/11/2012	0.50 U	<b>17.8</b>	<b>5.0</b>	<b>3.5</b>	<b>3.5</b>	0.50 U	<b>0.91 I</b>	<b>3.0</b>	<b>0.017 I</b>	<b>0.052 I</b>
	12/05/2013	0.50 U	<b>26.0</b>	<b>6.3</b>	<b>4.4</b>	<b>4.5</b>	0.50 U	<b>0.76 I</b>	<b>3.3</b>	0.018 U	<b>0.030 I</b>
MW-07S	10/17/2011	<b>2.2</b>	<b>538</b>	<b>2.1</b>	<b>324</b>	<b>327</b>	<b>41.6</b>	NM	NM	NM	NM
	09/11/2012	<b>2.1</b>	<b>467</b>	<b>2.7</b>	<b>309</b>	<b>312</b>	<b>77.2</b>	<b>1.8</b>	0.20 U	0.20 U	0.20 U
	04/17/2013	<b>3.0</b>	<b>375</b>	<b>4.1</b>	<b>403</b>	<b>408</b>	<b>70.8</b>	NM	NM	NM	NM
	12/03/2013	<b>1.9</b>	<b>703</b>	<b>3.5</b>	<b>494</b>	<b>497</b>	<b>99.2</b>	<b>2.3</b>	<b>120</b>	<b>2.0</b>	<b>0.63</b>
	02/03/2015	<b>1.7</b>	<b>666</b>	<b>2.4</b>	<b>509</b>	<b>519</b>	<b>68.7</b>	<b>2.1</b>	NM	NM	NM
	03/17/2015	<b>1.5</b>	<b>645</b>	<b>3.6</b>	<b>547</b>	<b>552</b>	<b>92.5</b>	<b>2.0</b>	<b>72</b>	<b>1.8</b>	<b>0.62</b>
	04/22/2015	<b>2.0</b>	<b>744</b>	<b>4.5</b>	<b>636</b>	<b>643</b>	<b>100</b>	<b>2.0</b>	<b>75</b>	<b>2.2</b>	<b>0.69</b>
	07/17/2015	NM	NM	NM	NM	NM	NM	<b>57.6</b>	NM	NM	NM
	07/21/2015	NM	NM	NM	NM	NM	NM	<b>10.5</b>	NM	NM	NM
	07/28/2015	NM	NM	NM	NM	NM	NM	<b>3.61</b>	NM	NM	NM
	07/31/2015	1.2 U	<b>68.9</b>	<b>6.2</b>	<b>1,536</b>	<b>1,546</b>	1.2 U	NM	NM	NM	NM
	08/11/2015	2.5 U	<b>315</b>	<b>4.7 I</b>	<b>1,210</b>	<b>1,220</b>	<b>116</b>	<b>2.4</b>	NM	NM	NM
	01/17/2016	0.50 U	<b>3.1</b>	0.50 U	<b>11.4</b>	<b>25.1</b>	<b>1,060</b>	<b>48.0</b>	NM	NM	NM
	04/18/2016	0.50 U	<b>23.6</b>	<b>0.76 I</b>	<b>77.8</b>	<b>84.8</b>	<b>186</b>	<b>4.6</b>	NM	NM	NM
	07/26/2016	2.5 U	<b>14.7</b>	2.5 U	<b>248</b>	<b>300</b>	<b>223</b>	<b>2.8</b>	<b>5,370</b>	<b>3.8 I</b>	<b>92.7</b>
	12/21/2016	0.50 U	0.50 U	<b>1.5</b>	<b>285</b>	<b>358</b>	<b>193</b>	NM	NM	NM	NM
	06/20/2017	0.50 U	<b>0.66 I</b>	<b>0.50 U</b>	23	34	<b>23</b>	NM	<b>1,330</b>	4.9 U	<b>6.9 I</b>
	01/23/2018	0.50 U	0.50 U	<b>0.59 I</b>	<b>209</b>	<b>275</b>	<b>170</b>	NM	NM	NM	NM
	09/24/2018	0.50 U	<b>0.80 I</b>	<b>0.74 I</b>	<b>301</b>	<b>377</b>	<b>197</b>	NM	NM	NM	NM
	03/25/2019	1.9 U	1.8 U	1.4 U	<b>408</b>	<b>518</b>	<b>236</b>	NM	NM	NM	NM

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**CONSTITUENTS OF CONCERN**

**Former Wyeth, Carolina Facility, Puerto Rico**

Sample		Tetrachloroethene	Trichloroethene	1,1-Dichloroethene	cis-1,2-Dichloroethene	1,2-Dichloroethene (Total)*	Vinyl Chloride	Total Organic Carbon	Methane	Ethane	Ethene
Location	Date										
MW-07D	10/17/2011	0.50 U	<b>12.5</b>	0.50 U	<b>116</b>	<b>134</b>	<b>1.9</b>	NM	NM	NM	NM
	09/11/2012	0.50 U	0.50 U	0.50 U	<b>90.5</b>	<b>109</b>	<b>1.7</b>	<b>1.4</b>	<b>140</b>	<b>0.080 I</b>	<b>0.73</b>
	04/17/2013	0.50 U	<b>7.8</b>	0.50 U	<b>95.4</b>	<b>122</b>	<b>2.3</b>	NM	NM	NM	NM
	12/03/2013	0.50 U	<b>3.1</b>	0.50 U	<b>114</b>	<b>139</b>	<b>2.4</b>	<b>1.4</b>	<b>340</b>	<b>0.051 I</b>	<b>2.1</b>
	02/03/2015	0.50 U	0.50 U	0.50 U	<b>141</b>	<b>182</b>	<b>1.2</b>	<b>1.5</b>	NM	NM	NM
	03/16/2015	0.50 U	0.50 U	0.50 U	<b>155</b>	<b>188</b>	<b>1.4</b>	<b>1.2</b>	<b>590</b>	<b>0.02</b>	<b>1.2</b>
	04/21/2015	0.50 U	<b>3.0</b>	0.50 U	<b>172</b>	<b>215</b>	<b>3.1</b>	<b>1.1</b>	<b>330</b>	<b>0.03</b>	<b>1.0</b>
	07/17/2015	NM	NM	NM	NM	NM	NM	<b>3.28</b>	NM	NM	NM
	07/21/2015	NM	NM	NM	NM	NM	NM	<b>3.83</b>	NM	NM	NM
	07/28/2015	NM	NM	NM	NM	NM	NM	<b>3.39</b>	NM	NM	NM
	08/11/2015	0.50 U	<b>0.59 I</b>	0.50 U	<b>133</b>	<b>163</b>	<b>4.6</b>	<b>1.2</b>	NM	NM	NM
	12/21/2016	0.50 U	<b>3.9</b>	0.50 U	<b>118</b>	<b>148</b>	<b>8.6</b>	NM	NM	NM	NM
	01/23/2018	0.50 U	0.50 U	0.50 U	0.50 U	<b>0.86 I</b>	<b>0.52 I</b>	NM	NM	NM	NM
	09/25/2018	0.50 U	0.50 U	0.50 U	<b>1.1</b>	<b>1.4</b>	0.50 U	NM	NM	NM	NM
MW-08S	10/17/2011	<b>25.9</b>	<b>12.1</b>	<b>2.3</b>	<b>10</b>	<b>10</b>	<b>2.1</b>	NM	NM	NM	NM
	09/12/2012	<b>31.4</b>	<b>11.3</b>	<b>2.4</b>	<b>10.7</b>	<b>10.7</b>	0.50 U	<b>1.2</b>	<b>0.35</b>	<b>0.059 I</b>	<b>0.086 I</b>
	12/05/2013	<b>10.9</b>	<b>4.3</b>	<b>0.85 I</b>	<b>2.9</b>	<b>2.9</b>	0.50 U	<b>1.2</b>	<b>0.48</b>	0.018 U	<b>0.035 I</b>
MW-09S	10/17/2011	0.50 U	<b>14.3</b>	<b>9.2</b>	<b>0.99 I</b>	<b>0.99 I</b>	0.50 U	NM	NM	NM	NM
	09/11/2012	0.50 U	<b>13.7</b>	<b>8.5</b>	<b>0.76 I</b>	<b>0.76 I</b>	0.50 U	1.0 I	<b>0.68</b>	0.20 U	<b>0.050 I</b>
	12/04/2013	0.50 U	<b>13.7</b>	<b>8.1</b>	<b>0.85 I</b>	<b>0.85 I</b>	0.50 U	0.94 I	<b>1.3</b>	0.018 U	<b>0.026 I</b>
	09/20/2018	0.50 U	<b>8.1</b>	<b>4.0</b>	<b>0.86 I</b>	<b>0.97 I</b>	0.50 U	NM	NM	NM	NM
MW-10S	12/03/2013	<b>29.7</b>	<b>11.6</b>	<b>2.8</b>	<b>10.8</b>	<b>10.8</b>	<b>1.3</b>	<b>1.8</b>	<b>1.0</b>	<b>0.37</b>	<b>0.032 I</b>
	09/20/2018	<b>30.6</b>	<b>14.4</b>	<b>2.8</b>	<b>18.1</b>	<b>18.3</b>	<b>1.8</b>	NM	NM	NM	NM
MW-11S	12/03/2013	0.50 U	<b>62.6</b>	0.50 U	<b>8.1</b>	<b>8.8</b>	<b>1.3</b>	<b>2.3</b>	<b>8.6</b>	<b>2.0</b>	<b>0.84</b>
	09/21/2018	<b>0.74 I</b>	<b>128</b>	<b>0.94 I</b>	<b>30.0</b>	<b>34.3</b>	<b>4.1</b>	NM	NM	NM	NM

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**CONSTITUENTS OF CONCERN**

**Former Wyeth, Carolina Facility, Puerto Rico**

Sample		Tetrachloroethene	Trichloroethene	1,1-Dichloroethene	cis-1,2-Dichloroethene	1,2-Dichloroethene (Total)*	Vinyl Chloride	Total Organic Carbon	Methane	Ethane	Ethene
Location	Date										
MW-12S	12/02/2013	28.3	109	2.9	44.0	44.6	1.6	1.2	4.2	0.49	0.53
	09/20/2018	14.5	119	1.3	32.1	32.9	0.72 I	NM	NM	NM	NM
MW-13S	12/02/2013	3.5	3,510	12.1	2,610	2,640	429	2.5	550	14	13
	12/2/2013 <sup>1</sup>	3.2	2,770	13.9	1,890	1,920	324	NM	540	14	14
	03/16/2015	0.85 I	1,310	5.3	1,630	1,640	134	4.9	100	2.0	3.2
	04/20/2015	1.3	1,390	14.0	3,100	3,140	274	4.6	210	5.3	10
	04/19/2016	0.50 U	1.2	0.50 U	2.6	18.4	5.1	12.8	NM	NM	NM
	07/25/2016	0.50 U	89.9	6.2	2,040	2,080	553	NM	NM	NM	NM
	12/21/2016	0.50 U	31.1	0.50 U	158	347	74	NM	NM	NM	NM
	06/20/2017	0.50 U	161	2.5	256	606	85.1	NM	NM	NM	NM
	01/25/2018	0.50 U	11.4	0.50 U	76.2	502	109	NM	NM	NM	NM
	09/17/2018	0.50 U	0.91 I	0.50 U	2.1	10.6	9.6	NM	NM	NM	NM
MW-14S	12/04/2013	0.50 U	1.2	0.50 U	0.50 U	0.50 U	0.50 U	1.8	12.0	5.2	0.13 I
MW-15S	12/02/2013	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	3.3	52	11	2.9
	09/21/2018	0.50 U	1.5	0.50 U	0.50 U	0.50 U	0.50 U	NM	NM	NM	NM

**TABLE 3**  
**GROUNDWATER ANALYTICAL SUMMARY**  
**CONSTITUENTS OF CONCERN**

**Former Wyeth, Carolina Facility, Puerto Rico**

Sample		Tetrachloroethene	Trichloroethene	1,1-Dichloroethene	cis-1,2-Dichloroethene	1,2-Dichloroethene (Total)*	Vinyl Chloride	Total Organic Carbon	Methane	Ethane	Ethene
Location	Date										
MW-16S	02/03/2015	3.9	4,000	20.3	4,210	4,300	547	2.5	1,000	24	14
	03/16/2015	3.5	2,370	16.3	3,180	3,210	397	2.6	800	13	8.4
	04/21/2015	3.4	2,630	20.0	2,980	3,010	383	2.5	740	15	8.3
	07/17/2015	NM	NM	NM	NM	NM	NM	3	NM	NM	NM
	07/24/2015	NM	NM	NM	NM	NM	NM	2	NM	NM	NM
	08/07/2015	2.8	3,560	18.0	3,940	4,100	709	2.9	NM	NM	NM
	12/04/2015	0.50 U	144	0.50 U	969	1,000	2,570	7.9	NM	NM	NM
	01/17/2016	0.50 U	290	3.2	737	791	1,020	3.7	NM	NM	NM
	04/19/2016	NM	NM	NM	NM	NM	NM	3.9	NM	NM	NM
	07/26/2016	0.50 U	58.7	0.57 I	159	307	117	3.9	7,410	31.6	62.6
	12/21/2016	0.50 U	21.6	0.50 U	194	378	156	NM	NM	NM	NM
	06/20/2017	0.50 U	33.8	1.2	360	645	237	NM	2,260	85.6	63.3
	09/19/2018	12.5 U	12.5 U	12.5 U	727	999	903	NM	NM	NM	NM
	03/26/2019	3.8 U	9.1 I	3.1 I	607	929	1,470	NM	NM	NM	NM
MW-17S	02/04/2015	1.4	5,930	62.1	9,380	9,530	658	4.2	1,200	41	10
	03/16/2015	0.50 U	826	59.4	10,200	10,300	1,080	7.7	540	18	5.8
	04/20/2015	0.73 I	2,020	67.7	9,080	9,220	810	4.3	920	38	11
	07/08/2015	NM	NM	NM	NM	NM	NM	1,629	NM	NM	NM
	07/13/2015	NM	NM	NM	NM	NM	NM	1,652	NM	NM	NM
	07/17/2015	NM	NM	NM	NM	NM	NM	1,479	NM	NM	NM
	07/24/2015	NM	NM	NM	NM	NM	NM	1,522	NM	NM	NM
	08/07/2015	0.50 U	0.83 I	0.99 I	4.9	85	1,830	436	NM	NM	NM
	09/11/2015	6.0 U	6.0 U	6.0 U	409	409	26.0	451	NM	NM	NM
	12/04/2015	0.50 U	0.80 I	0.50 U	4.5	10.6	18.3	245	NM	NM	NM
	07/27/2016	0.50 U	25.2	0.50 U	7.5	11.1	16.4	28.4	2,150	11.4	5.4 I
	12/21/2016	0.50 U	3.4	0.50 U	19.9	35.2	26.6	NM	NM	NM	NM
	06/21/2017	0.50 U	11.0	1.3	300	482	260	NM	NM	NM	NM
	09/17/2018	0.50 U	1.5	0.50 U	13.5	20.2	27.5	NM	NM	NM	NM
	03/28/2019	0.38 U	0.48 I	0.27 U	5.5	10.2	7.0	NM	NM	NM	NM

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**GROUNDWATER ANALYTICAL SUMMARY**  
**CONSTITUENTS OF CONCERN**

**Former Wyeth, Carolina Facility, Puerto Rico**

Sample		Tetrachloroethene	Trichloroethene	1,1-Dichloroethene	cis-1,2-Dichloroethene	1,2-Dichloroethene (Total)*	Vinyl Chloride	Total Organic Carbon	Methane	Ethane	Ethene
Location	Date										
MW-18S	02/04/2015	0.68 I	3,190	36.6	5,440	5,530	354	3.2	1,200	21	5
	03/16/2015	0.50 U	220	42.6	8,160	8,250	414	4.3	960	16	3.9
	04/20/2015	0.50 U	917	45.2	5,340	5,430	449	4.4	790	16	5.0
	07/08/2015	NM	NM	NM	NM	NM	NM	1,290	NM	NM	NM
	07/13/2015	NM	NM	NM	NM	NM	NM	1,269	NM	NM	NM
	07/17/2015	NM	NM	NM	NM	NM	NM	892	NM	NM	NM
	07/24/2015	NM	NM	NM	NM	NM	NM	649	NM	NM	NM
	08/07/2015	0.50 U	0.50 U	0.50 U	2.3	61.9	1,820	424	NM	NM	NM
	09/11/2015	12.0 U	12.0 U	12.0 U	54.8	86.9	114	556	NM	NM	NM
	06/20/2017	0.50 U	108	1.8	341	571	773	NM	NM	NM	NM
	01/25/2018	0.50 U	3.2	0.54 I	134	375	343	NM	NM	NM	NM
	09/17/2018	0.50 U	0.50 U	0.50 U	2.0	5.2	4.1	NM	NM	NM	NM
	03/28/2019	0.38 U	0.36 U	0.27 U	2.0	6.5	4.3	NM	NM	NM	NM
MW-19S	07/07/2015	1.2 U	556	12.8	4,502	4,543	317	3.43	NM	NM	NM
	07/10/2015	NM	NM	NM	NM	NM	NM	286	NM	NM	NM
	07/13/2015	NM	NM	NM	NM	NM	NM	225	NM	NM	NM
	07/17/2015	NM	NM	NM	NM	NM	NM	149	NM	NM	NM
	07/24/2015	NM	NM	NM	NM	NM	NM	91.9	NM	NM	NM
	08/07/2015	0.50 U	8.8	0.50 U	166	212	486	29.9	NM	NM	NM
	09/11/2015	12.0 U	12.0 U	12.0 U	12.0 U	28.4	12.0 U	3.74	NM	NM	NM
	04/19/2016	0.50 U	0.50 U	0.50 U	2.4	5.4	5	3.4	NM	NM	NM
	12/21/2016	0.50 U	1.8	0.50 U	12.3	22.0	11	NM	NM	NM	NM

**TABLE 3**  
**GROUNDWATER ANALYTICAL SUMMARY**  
**CONSTITUENTS OF CONCERN**

**Former Wyeth, Carolina Facility, Puerto Rico**

Sample		Tetrachloroethene	Trichloroethene	1,1-Dichloroethene	cis-1,2-Dichloroethene	1,2-Dichloroethene (Total)*	Vinyl Chloride	Total Organic Carbon	Methane	Ethane	Ethene
Location	Date										
MW-20S	07/07/2015	1.2 U	532	9.00	2,544	2,568	181	1.64	NM	NM	NM
	07/10/2015	NM	NM	NM	NM	NM	NM	216	NM	NM	NM
	07/13/2015	NM	NM	NM	NM	NM	NM	35.7	NM	NM	NM
	07/17/2015	NM	NM	NM	NM	NM	NM	6.36	NM	NM	NM
	07/24/2015	NM	NM	NM	NM	NM	NM	8.55	NM	NM	NM
	08/07/2015	0.50 U	151	4.4	645	670	426	2.30	NM	NM	NM
	09/11/2015	12.0 U	12.0 U	12.0 U	12.0 U	35.6	12.0 U	188	NM	NM	NM
	01/17/2016	0.50 U	113	1.6	193	244	61.3	2.2	NM	NM	NM
	04/19/2016	NM	NM	NM	NM	NM	NM	2.2	NM	NM	NM
	07/27/2016	0.50 U	103	1.8	159	224	68.8	NM	NM	NM	NM
	09/18/2018	0.50 U	13.7	1.1	120	203	77.2	NM	NM	NM	NM
	03/28/2019	0.38 U	37.5	3.2	474	621	192	NM	NM	NM	NM
MW-21S	07/10/2015	1.2 U	1,649	7.0	3,282	3,292	298	2.16	NM	NM	NM
	07/17/2015	NM	NM	NM	NM	NM	NM	131	NM	NM	NM
	07/21/2015	NM	NM	NM	NM	NM	NM	6.47	NM	NM	NM
	07/28/2015	NM	NM	NM	NM	NM	NM	3.10	NM	NM	NM
	07/31/2015	1.2 U	1,511	7.0	1,608	1,621	1.2 U	NM	NM	NM	NM
	08/11/2015	2.5 U	1,970	8.2	1,480	1,490	214	2.4	NM	NM	NM
	04/18/2016	0.50 U	141	3.9	776	793	816	2.5	NM	NM	NM
	07/26/2016	12.5 U	161	12.5 U	1,400	1,460	457	NM	NM	NM	NM
	12/21/2016	0.50 U	119	5.4	858	948	232	NM	NM	NM	NM
	06/20/2017	0.50 U	10.6	0.63 I	159	205	117	NM	884	12.5	4.0 I
	01/23/2018	0.50 U	43.0	2.9	785	938	351	NM	NM	NM	NM
	09/24/2018	0.50 U	8.1	0.98 I	348	460	253	NM	NM	NM	NM
	03/26/2019	1.9 U	9.2	2.1 I	591	712	266	NM	NM	NM	NM
MW-22S	01/17/2016	0.50 U	5.9	0.50 U	2.8	3.0	1.0	5.6	NM	NM	NM
	09/24/2018	0.50 U	1.3	0.50 U	1.1	1.1	0.50 U	NM	NM	NM	NM

**TABLE 3**  
**GROUNDWATER ANALYTICAL SUMMARY**  
**CONSTITUENTS OF CONCERN**

**Former Wyeth, Carolina Facility, Puerto Rico**

Sample		Tetrachloroethene	Trichloroethene	1,1-Dichloroethene	cis-1,2-Dichloroethene	1,2-Dichloroethene (Total)*	Vinyl Chloride	Total Organic Carbon	Methane	Ethane	Ethene
Location	Date										
MW-23S	01/17/2016	1.2	246	2.5	35.9	40.2	2.4	1.6	NM	NM	NM
	07/27/2016	1.3	263	3.8	42.5	48.8	3.0	NM	NM	NM	NM
MW-24S	01/17/2016	0.50 U	153	0.50 U	56.5	57	18.0	2.6	NM	NM	NM
	04/20/2016	0.50 U	55.6	0.55 I	102	103	7.6	3.3	NM	NM	NM
	07/27/2016	0.50 U	145	0.66 I	53.4	53.9	6.3	NM	NM	NM	NM
	12/21/2016	0.50 U	109	0.50 U	36.3	37.0	5.6	NM	NM	NM	NM
MW-26S	06/21/2017	17.7	684	1.3	69.1	74.5	37.9	NM	NM	NM	NM
	09/18/2018	0.50 U	0.55 I	0.50 U	2.0	6.1	9.5	NM	NM	NM	NM
MW-28S	11/18/2016	0.50 U	35.2	0.50 U	7.1	7.5	0.50 U	NM	NM	NM	NM
	09/19/2018	0.50 U	72.8	0.74 I	15.4	19.5	4.4	NM	NM	NM	NM
MW-29S	06/21/2017	0.50 U	26.0	0.50 U	8.7	9.2	2.0	NM	41.2	4.9 U	0.68 U
MW-30D	11/18/2016	0.50 U	4.8	0.50 U	2.3	2.4	0.50 U	NM	NM	NM	NM
MW-31S	06/20/2017	0.61 I	119	0.50 U	23.2	39.2	19.4	NM	NM	NM	NM
	01/23/2018	0.50 U	6.5	0.50 U	15.7	23.9	26.6	NM	NM	NM	NM
	09/25/2018	0.50 U	6.7	0.50 U	40.6	51.3	42.6	NM	NM	NM	NM
INJ-1	07/17/2015	NM	NM	NM	NM	NM	NM	488	NM	NM	NM
	07/21/2015	NM	NM	NM	NM	NM	NM	452	NM	NM	NM
	07/28/2015	NM	NM	NM	NM	NM	NM	92.6	NM	NM	NM
	08/11/2015	2.5 U	2.5 U	2.5 U	25.5	47.6	543	117	NM	NM	NM

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**GROUNDWATER ANALYTICAL SUMMARY**  
**CONSTITUENTS OF CONCERN**

**Former Wyeth, Carolina Facility, Puerto Rico**

Sample		Tetrachloroethene	Trichloroethene	1,1-Dichloroethene	cis-1,2-Dichloroethene	1,2-Dichloroethene (Total)*	Vinyl Chloride	Total Organic Carbon	Methane	Ethane	Ethene
Location	Date										
INJ-2	02/03/2015	1.4	1,170	4.2	982	1,020	146	NM	NM	NM	NM
	04/21/2015	1.7	1,250	7.4	1,200	1,210	162	1.9	900	4.6	1.6
	07/17/2015	NM	NM	NM	NM	NM	NM	775	NM	NM	NM
	07/21/2015	NM	NM	NM	NM	NM	NM	703	NM	NM	NM
	07/28/2015	NM	NM	NM	NM	NM	NM	556	NM	NM	NM
	07/31/2015	1.2 U	2.8	3.0	931	936	1.2 U	NM	NM	NM	NM
	08/11/2015	2.5 U	2.5 U	4.3 I	1,470	1,480	91.8	687	NM	NM	NM
INJ-3	04/22/2015	1.8	1,750	9.3	1,480	1,490	183	2.2	590	5.0	1.6
	07/17/2015	NM	NM	NM	NM	NM	NM	5,145	NM	NM	NM
	07/21/2015	NM	NM	NM	NM	NM	NM	739	NM	NM	NM
	07/28/2015	NM	NM	NM	NM	NM	NM	231	NM	NM	NM
	08/11/2015	2.5 U	5.2	10.1	3,540	3,560	206	94.7	NM	NM	NM
	07/28/2016	0.50 U	11.2	0.50 U	48.0	88.7	160	8.2	NM	NM	NM
	01/23/2018	0.50 U	0.50 U	0.50 U	9.5	13.2	11.2	NM	NM	NM	NM
INJ-4	07/17/2015	NM	NM	NM	NM	NM	NM	2.90	NM	NM	NM
	07/21/2015	NM	NM	NM	NM	NM	NM	1.64	NM	NM	NM
	07/28/2015	NM	NM	NM	NM	NM	NM	1.37	NM	NM	NM
	08/11/2015	2.5 U	1,290	6.6	1,540	1,580	159	1.5	NM	NM	NM
	04/19/2016	NM	NM	NM	NM	NM	NM	126	NM	NM	NM
	07/27/2017	0.50 U	7.5	0.50U	169	218	78	13.4	NM	NM	NM
INJ-5	02/03/2015	3.1	2,260	13.8	3,000	3,050	373	NM	NM	NM	NM
	04/21/2015	1.7	1,210	14.7	2,650	2,690	304	2.3	1,400	12	6.7
	07/26/2017	0.50 U	0.61 I	0.50 U	177	363	172	8.7	NM	NM	NM
INJ-6	04/21/2015	3.2	2,210	16.9	3,710	3,750	451	3.3	650	25	12
	04/19/2016	NM	NM	NM	NM	NM	NM	55	NM	NM	NM
	07/27/2017	0.50 U	0.56 I	6.1	1,840	2,340	1,000	NM	NM	NM	NM
	03/27/2019	9.5 U	9.0 U	6.8 U	172	314	1,480	NM	NM	NM	NM

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**GROUNDWATER ANALYTICAL SUMMARY**  
**CONSTITUENTS OF CONCERN**

**Former Wyeth, Carolina Facility, Puerto Rico**

Sample		Tetrachloroethene	Trichloroethene	1,1-Dichloroethene	cis-1,2-Dichloroethene	1,2-Dichloroethene (Total)*	Vinyl Chloride	Total Organic Carbon	Methane	Ethane	Ethene
Location	Date										
INJ-7	04/20/2015	0.50 U	<b>29.6</b>	<b>1.5</b>	<b>315</b>	<b>331</b>	<b>119</b>	<b>2.5</b>	<b>360</b>	<b>1.5</b>	<b>110</b>
	07/17/2015	NM	NM	NM	NM	NM	NM	<b>116</b>	NM	NM	NM
	08/07/2015	0.50 U	0.50 U	0.50 U	<b>2.4</b>	<b>10.6</b>	<b>39.8</b>	<b>274</b>	NM	NM	NM
	01/17/2016	0.50 U	<b>19.9</b>	0.50 U	<b>27.6</b>	<b>54.1</b>	<b>48.1</b>	<b>6.3</b>	NM	NM	NM
INJ-8	07/17/2015	NM	NM	NM	NM	NM	NM	<b>6,110</b>	NM	NM	NM
	08/07/2015	0.50 U	0.50 U	0.50 U	<b>10.6</b>	<b>19.6</b>	<b>17.9</b>	<b>522</b>	NM	NM	NM
INJ-9	02/04/2015	0.50 U	<b>1,600</b>	<b>24.4</b>	<b>3,860</b>	<b>3,920</b>	<b>379</b>	NM	NM	NM	NM
	07/13/2015	NM	NM	NM	NM	NM	NM	<b>1,041</b>	NM	NM	NM
	07/13/2015	NM	NM	NM	NM	NM	NM	<b>1,031</b>	NM	NM	NM
	07/17/2015	NM	NM	NM	NM	NM	NM	<b>470</b>	NM	NM	NM
	07/24/2015	NM	NM	NM	NM	NM	NM	<b>297</b>	NM	NM	NM
	08/07/2015	0.50 U	<b>0.61 I</b>	0.50 U	<b>5.9</b>	<b>34.9</b>	<b>420</b>	<b>344</b>	NM	NM	NM
	09/11/2015	NM	NM	NM	NM	NM	NM	<b>226</b>	NM	NM	NM
	04/19/2016	NM	NM	NM	NM	NM	NM	<b>21.2</b>	NM	NM	NM
INJ-10	02/03/2015	0.50 U	<b>2,020</b>	<b>37.0</b>	<b>4,690</b>	<b>4,780</b>	<b>444</b>	NM	NM	NM	NM
	04/20/2015	0.50 U	<b>634</b>	<b>29.7</b>	<b>4,970</b>	<b>5,510</b>	<b>1,090</b>	<b>4.8</b>	<b>820</b>	<b>16</b>	<b>5.7</b>
	07/13/2015	NM	NM	NM	NM	NM	NM	<b>1,654</b>	NM	NM	NM
	07/17/2015	NM	NM	NM	NM	NM	NM	<b>591</b>	NM	NM	NM
	07/24/2015	NM	NM	NM	NM	NM	NM	<b>1,231</b>	NM	NM	NM
	08/07/2015	0.50 U	<b>0.85 I</b>	0.50 U	<b>14.2</b>	<b>53.3</b>	<b>1,410</b>	<b>531</b>	NM	NM	NM
	09/11/2015	NM	NM	NM	NM	NM	NM	<b>3.57</b>	NM	NM	NM
	04/19/2016	NM	NM	NM	NM	NM	NM	<b>71.5</b>	NM	NM	NM
INJ-11	07/17/2015	NM	NM	NM	NM	NM	NM	<b>1,254</b>	NM	NM	NM
	08/07/2015	0.50 U	1.5	0.50 U	25.2	26.7	<b>4.9</b>	<b>921</b>	NM	NM	NM

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**GROUNDWATER ANALYTICAL SUMMARY**  
**CONSTITUENTS OF CONCERN**

**Former Wyeth, Carolina Facility, Puerto Rico**

Sample		Tetrachloroethene	Trichloroethene	1,1-Dichloroethene	cis-1,2-Dichloroethene	1,2-Dichloroethene (Total)*	Vinyl Chloride	Total Organic Carbon	Methane	Ethane	Ethene
Location	Date										
INJ-12	04/20/2015	0.50 U	169	15.8	1,250	1,370	236	4.2	510	1.1	28
	07/17/2015	NM	NM	NM	NM	NM	NM	1,300	NM	NM	NM
	08/07/2015	0.50 U	0.50 U	0.50 U	7.3	59.6	167	801	NM	NM	NM
INJ-15	07/10/2015	1.2 U	1,225	7.50	1,170	1,180	235	NM	NM	NM	NM
	07/17/2015	NM	NM	NM	NM	NM	NM	1,403	NM	NM	NM
	07/21/2015	NM	NM	NM	NM	NM	NM	734	NM	NM	NM
	07/28/2015	NM	NM	NM	NM	NM	NM	223	NM	NM	NM
	07/31/2015	1.2 U	595	7.3	2,022	2,030	1.2 U	NM	NM	NM	NM
	08/11/2015	2.5 U	3.2 I	12.5	3,630	3,670	220	70.4	NM	NM	NM
	01/17/2016	0.50 U	0.54 I	0.50 U	29.9	33.0	291	72.3	NM	NM	NM
INJ-16	01/17/2016	2.0	1,810	8.2	1,810	1,830	421	2.7	NM	NM	NM
	04/18/2016	0.50 U	35.6	0.50 U	203	229	163	10.6	NM	NM	NM
	07/27/2017	0.50 U	6.7	2.2	639	829	193	3.7	NM	NM	NM
INJ-17	01/17/2016	1.1	786	2.0	184	189	12.4	3.1	NM	NM	NM
INJ-18	01/17/2016	2.1	1,760	10	2,290	2,310	508	3.3	NM	NM	NM
	04/19/2016	NM	NM	NM	NM	NM	NM	46.8	NM	NM	NM
	07/27/2017	0.50 U	19.4	2.6	669	854	138	6.9	NM	NM	NM
INJ-20	01/17/2016	0.50 U	391	1.5	222	224	17.7	1.0	NM	NM	NM
INJ-21	01/17/2016	0.50 U	252	1.0	105	106	4.8	1.1	NM	NM	NM
INJ-22	07/27/2017	0.50 U	35	3.5	754	1,070	209	2.6	NM	NM	NM
INJ-23	01/17/2016	2.0	1,250	12.2	3,150	3,170	820	2.9	NM	NM	NM
	01/25/2018	0.50 U	19.7	5.1	1,200	1,890	1,910	NM	NM	NM	NM
	03/27/2019	9.5 U	9.0 U	6.8 U	9.5 I	13.9 I	9.8 U	NM	NM	NM	NM

**TABLE 3**  
**GROUNDWATER ANALYTICAL SUMMARY**  
**CONSTITUENTS OF CONCERN**

**Former Wyeth, Carolina Facility, Puerto Rico**

Sample		Tetrachloroethene	Trichloroethene	1,1-Dichloroethene	cis-1,2-Dichloroethene	1,2-Dichloroethene (Total)*	Vinyl Chloride	Total Organic Carbon	Methane	Ethane	Ethene
Location	Date										
INJ-24	01/17/2016	5.9	3,870	9.9	1,610	1,630	238	2.3	NM	NM	NM
	04/20/2016	0.50 U	0.50 U	0.50 U	12.8	23.3	8.1	220	NM	NM	NM
	07/27/2016	0.50 U	22.5	0.50 U	49.9	55.1	18.8	26.6	NM	NM	NM
	06/20/2017	0.70 I	1,120	5.4	1,240	1,970	328	NM	NM	NM	NM
	01/25/2018	0.50 U	763	8.2	1,450	2,310	253	NM	NM	NM	NM
	09/19/2018	0.50 U	16.3	0.50 U	120	152	7.7	NM	NM	NM	NM
	03/27/2019	9.5 U	9.0 U	6.8 U	7.1 I	15.5 I	9.8 U	NM	NM	NM	NM
INJ-25	07/27/2017	0.50 U	217	7.6	942	1,190	353	5.1	NM	NM	NM
	09/18/2018	0.50 U	0.50 U	0.50 U	2.2	6.6	3.7	NM	NM	NM	NM
INJ-26	01/17/2016	0.67 I	155	1.1	134	135	21.4	2.0	NM	NM	NM
INJ-27	07/26/2016	0.61 I	237	2.6	33.1	37.2	2.9	NM	NM	NM	NM
INJ-28	07/26/2016	0.50 U	191	0.50 U	21.6	22.4	1.6	NM	NM	NM	NM
INJ-29	07/26/2016	0.90 I	1,740	1.4	244	249	8.0	2.0	NM	NM	NM
	01/24/2018	0.50 U	0.55 I	0.50 U	3.7	5.0	3.4	NM	NM	NM	NM
INJ-30	07/27/2016	2.4	2,180	11.3	279	301	35.7	NM	NM	NM	NM
	01/24/2018	0.80 I	561	3.7	375	388	262	NM	NM	NM	NM
	09/19/2018	0.50 U	4.9	0.50 U	43.4	47.6	3.3	NM	NM	NM	NM
INJ-31	11/17/2016	0.50 U	146	0.86 I	49.4	51.3	4.4	NM	NM	NM	NM
INJ-32	11/17/2016	0.50 U	2.7	0.50 U	1.4	1.4	0.50 U	NM	NM	NM	NM
INJ-33	11/18/2016	0.50 U	928	6.6	1,170	1,260	198.0	NM	NM	NM	NM

**TABLE 3**  
**GROUNDWATER ANALYTICAL SUMMARY**  
**CONSTITUENTS OF CONCERN**

**Former Wyeth, Carolina Facility, Puerto Rico**

Sample		Tetrachloroethene	Trichloroethene	1,1-Dichloroethene	cis-1,2-Dichloroethene	1,2-Dichloroethene (Total)*	Vinyl Chloride	Total Organic Carbon	Methane	Ethane	Ethene
Location	Date										
INJ-34	11/17/2016	0.50 U	<b>1,180</b>	<b>5.5</b>	<b>1,280</b>	<b>1,360</b>	<b>221</b>	NM	NM	NM	NM
	07/26/2017	0.50 U	<b>44.2</b>	<b>0.89 I</b>	<b>81.9</b>	<b>84.9</b>	<b>10.8</b>	<b>1,140</b>	NM	NM	NM
	01/24/2018	0.50 U	<b>32.6</b>	<b>0.85 I</b>	<b>162</b>	<b>167</b>	<b>36.6</b>	NM	NM	NM	NM
INJ-35	11/17/2016	<b>0.53 I</b>	<b>769</b>	<b>3.7</b>	<b>1,170</b>	<b>1,340</b>	<b>263</b>	NM	NM	NM	NM
INJ-36	11/18/2016	<b>15.5</b>	<b>4,770</b>	<b>3.6</b>	<b>547</b>	<b>567</b>	<b>93.1</b>	NM	NM	NM	NM
	06/20/2017	0.50 U	<b>147</b>	<b>2.8</b>	<b>1,010</b>	<b>1,020</b>	<b>198</b>	NM	NM	NM	NM
	01/24/2018	0.50 U	<b>5.7</b>	0.50 U	<b>13.4</b>	<b>26.9</b>	<b>285</b>	NM	NM	NM	NM
INJ-37	11/18/2016	<b>8.2</b>	<b>897</b>	<b>4.7</b>	<b>105</b>	<b>115</b>	<b>18.4</b>	NM	NM	NM	NM
	09/18/2018	0.50 U	<b>2.9</b>	0.50 U	<b>32.1</b>	<b>34.9</b>	<b>1.3</b>	NM	NM	NM	NM
INJ-38	06/20/2017	<b>3.2</b>	<b>3,440</b>	<b>2.8</b>	<b>390</b>	<b>406</b>	<b>22.5</b>	NM	NM	NM	NM
	09/19/2018	0.50 U	<b>0.60 I</b>	0.50 U	<b>3.1</b>	<b>8.1</b>	<b>13.0</b>	NM	NM	NM	NM
	03/27/2019	0.38 U	<b>0.57 I</b>	0.27 U	<b>1.8</b>	<b>3.9</b>	<b>2.9</b>	NM	NM	NM	NM
INJ-39	06/21/2017	<b>1.2</b>	<b>1,180</b>	<b>18.3</b>	<b>1,140</b>	<b>1,160</b>	<b>191</b>	NM	<b>505</b>	<b>7.2 I</b>	<b>2.1 I</b>
	09/18/2018	0.50 U	0.50 U	0.50 U	1.7	18.8	<b>5.4</b>	NM	NM	NM	NM

Notes:

All analytical results reported in micrograms per liter ( $\mu\text{g/L}$ ); except TOC which is in milligrams per liter (mg/L).

MCL - Federal Maximum Contaminant Level from <http://water.epa.gov/drink/contaminants/index.cfm#List> as of October 11, 2010.

U - Indicates the compound was analyzed for but not detected at a concentration greater than the shown MDL.

I - The reported value is between the laboratory MDL and the laboratory practical quantitation limit (PQL).

MDL - Method Detection Limit

NM - Not Measured

**Bold** denotes a detection above laboratory method detection limit

Thick solid line indicates injection event took place in the area of the specified well between sampling events

<sup>1</sup>Duplicate sample

Shaded - Concentration is greater than MCL

\*Total 1,2-Dichloroethene is for the *cis* and *trans* isomers.

The Federal MCL of 70 micrograms per liter is for the *cis* isomer as it is the more stringent value.

**TABLE 4**  
**GROUNDWATER CHEMISTRY SUMMARY**

Former Wyeth, Carolina Facility, Puerto Rico

Sample		Total Iron	Iron, Dissolved	Total Manganese	Manganese, Dissolved	Nitrate as N	Nitrite as N	Nitrogen, NO <sub>2</sub> + NO <sub>3</sub>	Chloride	Sulfate	Biological Oxygen Demand	Chemical Oxygen Demand	Total Organic Carbon	Alkalinity (as CaCO <sub>3</sub> )	pH	Temperature	Conductivity	Dissolved Oxygen	Turbidity	Oxidation Reduction Potential
		Location	Date	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(S.U.)	(°C)	(µS/cm)	(mg/L)	(NTUs)	(mV)
<b>MCL</b>		300*	-	50*	-	10	1	-	250*	250*	-	-	-	-	-	-	-	-	-	-
<b>Units</b>		(µg/L)	(µg/L)	(µg/L)	(µg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(S.U.)	(°C)	(µS/cm)	(mg/L)	(NTUs)	(mV)
MW-01S	02/02/2011	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	6.94	28.98	951	0.61	< 10	88.1
	10/17/2011	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	6.74	29.24	985	0.45	17.9	61.2
	09/12/2012	<b>46.1</b>	20.0 U	<b>156</b>	2.5 U	NM	NM	<b>0.92</b>	<b>73.8</b>	<b>53.5</b>	2.0 U	12.5 U	<b>1.2</b>	<b>291</b>	7.26 J	30.72	941	0.47	6.30 J	-54.4 J
	09/19/2018	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	9.98	29.7	656	0.25	1.40	-210.5
MW-02S	02/02/2011	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	6.65	28.89	1,464	0.77	> 1,000	52.3
	10/18/2011	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	6.54	27.13	1,328	0.99	18.9	124.6
	09/11/2012	20.0 U	20.0 U	<b>116</b>	<b>116</b>	NM	NM	<b>0.18</b>	<b>165</b>	<b>37.5</b>	2.0 U	<b>27.6</b>	<b>1.7</b>	<b>385</b>	8.97 J	29.93	1,272	0.75	0.74 J	111.9 J
	04/17/2013	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	6.67	29.27	1,271	0.47	NM	125.0
	12/03/2013	<b>218</b>	<b>119</b>	<b>79.0</b>	<b>78.4</b>	<b>0.86</b>	0.072 U	<b>0.86</b>	<b>166</b>	<b>49.8</b>	NM	NM	<b>1.9</b>	<b>387</b>	6.66	27.63	1,311	0.57	10.2	82.0
	02/03/2015	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	<b>1.8</b>	NM	6.65	27.45	1,300	0.43	1.00	107.5
	03/17/2015	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	<b>1.9</b>	NM	6.72	27.17	1,325	0.39	10.5	-81.0
	07/17/2015	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	<b>2.87</b>	NM	6.79	29.64	966	1.64	20.40	65.4
	07/24/2015	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	<b>1.51</b>	NM	6.82	29.62	1,287	0.23	1.45	-35.3
	07/31/2015	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	7.04	28.25	1,231	2.40	1.06	-36.1
	08/07/2015	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	6.65	27.64	1,294	0.35	18.4	31.2
	04/18/2016	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	8.8	27.90	1,369	4.38	0.0	-240.0
	07/26/2016	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	6.65	27.96	1,305	0.18	10.0	122.1
	06/19/2017	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	7.39	28.90	1,179	3.47	1.86	-77.6
	09/21/2018	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	7.01	28.60	1,356	0.12	6.53	-25.3
	03/26/2019	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	6.83	31.07	1,224	20.10	7.90	-8.6

**TABLE 4**  
**GROUNDWATER CHEMISTRY SUMMARY**

Former Wyeth, Carolina Facility, Puerto Rico

Sample		Total Iron	Iron, Dissolved	Total Manganese	Manganese, Dissolved	Nitrate as N	Nitrite as N	Nitrogen, NO <sub>2</sub> + NO <sub>3</sub>	Chloride	Sulfate	Biological Oxygen Demand	Chemical Oxygen Demand	Total Organic Carbon	Alkalinity (as CaCO <sub>3</sub> )	pH	Temperature	Conductivity	Dissolved Oxygen	Turbidity	Oxidation Reduction Potential
		Location	Date	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(S.U.)	(°C)	(µS/cm)	(mg/L)	(NTUs)	(mV)	
<b>MCL</b>		300*	-	50*	-	10	1	-	250*	250*	-	-	-	-	-	-	-	-	-	
<b>Units</b>		(µg/L)	(µg/L)	(µg/L)	(µg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(S.U.)	(°C)	(µS/cm)	(mg/L)	(NTUs)	(mV)	
MW-02D	02/02/2011	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	6.85	29.04	1,519	0.47	< 10	-18.9	
	10/18/2011	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	6.77	27.24	1,541	0.68	6.36	-55.7	
	09/11/2012	320	20.0 U	398	390	NM	NM	0.025 U	196	42.6	2.1	26.6	1.1	420	9.02 J	29.24	1,558	0.20	0.65 J	-65.0 J
	04/17/2013	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	6.94	28.45	1,483	2.11	NM	-98.8	
	12/03/2013	435	304	397	394	0.086 U	0.072 U	0.086 U	194	52.4	NM	NM	1.4	453	6.89	27.19	1,471	0.79	0.46	-125.7
	02/03/2015	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	1.0	NM	6.89	27.67	1,491	0.6	1.37	6.6
	03/16/2015	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	1.1	NM	6.94	27.54	1,525	0.66	0.07	-67.1
	07/26/2016	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	6.75	27.33	1,351	0.21	10	23.3	
	06/19/2017	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	7.59	27.8	1,258	2.88	0.75	-218.0	
	01/24/2018	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	6.9	29.23	-	0.38	0.48	-56.9	
	09/19/2018	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	6.90	29.60	1,348	0.16	2.73	-44.0	
	03/26/2019	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	6.86	30.23	1,269	2.5	0.89	-58.9	
MW-03S	02/03/2011	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	7.03	28.75	1,122	0.84	NM	-2.8	
	10/18/2011	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	6.68	29.92	934	0.64	47.6	34.5	
	09/12/2012	20.0 U	20.0 U	758	19.7	NM	NM	0.19	102	37.9	2.0 U	17.9 I	1.4	312	6.97	30.41	1,018	0.32	0.49 J	60.9 J
	04/17/2013	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	6.67	29.52	953	0.55	152.8	91.3	
	12/04/2013	246	20.0 U	571	374	0.24	0.0066 I	0.24 I	92.3	40.7	NM	NM	1.5	260	6.62	28.88	658	0.28	NM	69.3
	09/20/2018	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	6.58	30.67	838	0.18	6.20	156.7	
MW-03D	02/03/2011	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	6.97	28.73	1,538	0.45	NM	-37.0	
	10/18/2011	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	6.82	28.75	1,304	0.60	7.71	-40.0	
	09/12/2012	640	26.2 I	358	2.5 I	NM	NM	0.025 U	148	41.6	2.0 U	21.0	1.2	404	7.29 J	28.89	1,300	0.37	2.92 J	-72.9 J
	04/17/2013	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	6.93	28.35	1,211	1.35	2.21	-26.0	
	12/04/2013	554	94.8	358	72.8	0.029 U	0.0054 U	0.025 U	149	46.5	NM	NM	1.2	384	6.96	28.30	942	0.72	NM	-157.0
MW-04S	02/02/2011	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	6.54	28.91	846	0.63	> 1,000	1.5	
	10/17/2011	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	6.37	29.77	707	0.91	16.8	122.6	
	09/12/2012	191	20.0 U	191	4.0 I	NM	NM	0.61	73.6	28.9	2.0 U	12.5 U	0.50 U	205	6.78	3.02 J	715	0.44	3.02 J	95.3 J

**TABLE 4**  
**GROUNDWATER CHEMISTRY SUMMARY**

Former Wyeth, Carolina Facility, Puerto Rico

Sample		Total Iron	Iron, Dissolved	Total Manganese	Manganese, Dissolved	Nitrate as N	Nitrite as N	Nitrogen, NO <sub>2</sub> + NO <sub>3</sub>	Chloride	Sulfate	Biological Oxygen Demand	Chemical Oxygen Demand	Total Organic Carbon	Alkalinity (as CaCO <sub>3</sub> )	pH	Temperature	Conductivity	Dissolved Oxygen	Turbidity	Oxidation Reduction Potential
		Location	Date	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(S.U.)	(°C)	(µS/cm)	(mg/L)	(NTUs)	(mV)	
<b>MCL</b>		300*	-	50*	-	10	1	-	250*	250*	-	-	-	-	-	-	-	-	-	
<b>Units</b>		(µg/L)	(µg/L)	(µg/L)	(µg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(S.U.)	(°C)	(µS/cm)	(mg/L)	(NTUs)	(mV)	
MW-05S	02/02/2011	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	6.45	28.53	887	0.56	NM	44.6	
	10/17/2011	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	6.26	29.68	661	0.83	15.1	134.5	
	09/12/2012	2,600	20.0 U	134	3.6 I	NM	NM	0.36	62.9	21.1	2.0 U	22.4	0.72 I	203	6.86	30.15	656	0.38	1.23 J	-6.0 J
	12/05/2013	720	876	97.7	106	0.42	0.011 I	0.42 I	61.9	24.7	NM	NM	1.1	233	6.49	28.86	490	0.92	17.12	68.1
MW-06S	02/02/2011	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	6.44	28.52	1,053	0.92	< 10	60.1	
	10/18/2011	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	6.41	29.17	892	0.57	5.89	62.7	
	09/11/2012	119	20.0 U	366	284	NM	NM	0.036 I	93.8	27.3	2.2	18.1 I	0.91 I	279	8.59 J	29.85	890	0.32	3.95 J	201.8 J
	12/05/2013	112	20.0 U	326	22.7	0.032 I	0.092 I	0.032 I	95.5	31.5	NM	NM	0.76 I	277	6.50	28.97	657	0.26	3.72	48.6
MW-07S	10/17/2011	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	6.49	28.65	1,100	1.65	0.61	199.6	
	09/11/2012	20.0 U	20.0 U	16.0	15.1	NM	NM	0.12	153	33.4	2.5	19.8 I	1.8	327	8.87 J	28.22	1,164	0.40	0.39 J	191.9 J
	04/17/2013	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	6.69	27.83	1,109	0.48	5.09	-195.6	
	12/03/2013	20.0 U	20.0 U	19.0	18.7	0.91	0.072 U	0.91	132	52.4	NM	NM	2.3	326	6.68	27.46	1,137	0.49	1.11	87.3
	02/03/2015	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	2.1	NM	6.64	27.63	1,112	0.46	0.98	138.5
	03/17/2015	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	2.0	NM	6.76	27.28	1,206	0.24	0.03	-97.7
	07/10/2015	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	6.68	27.93	1,188	0.03	NM	200.0	
	07/17/2015	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	57.6	NM	6.88	27.91	5.28	0.52	4.29	26.6
		NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	7.52	27.98	1,297	0.14	18.90	-78.6	
	07/21/2015	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	10.5	NM	7.52	28.21	1,184	0.11	5.94	-132
	07/28/2015	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	3.61	NM	7.66	28.20	1,169	1.62	4.76	-83.1
	07/31/2015	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	7.60	28.40	1,113	2.17	6.46	-91.2	
	08/04/2015	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	7.23	27.08	1,215	0.37	9.05	-148.4	
	08/11/2015	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	7.07	28.58	1,269	0.21	2.63	-52.1	
	04/18/2016	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	7.09	27.60	1,126	2.80	0.93	-154.3	
	07/26/2016	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	2.8	367	7.26	27.65	1.2	0.22	10.00	-126.8
	06/19/2017	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	7.21	27.80	1,177	2.45	0.71	-143.6	
	01/23/2018	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	6.93	27.86	-	0.14	1.71	-92.1	
	09/24/2018	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	7.07	28.62	1,293	0.24	0.27	-104.1	
	03/25/2019	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	6.81	28.41	1,147	0.16	0.56	-94.1	

**TABLE 4**  
**GROUNDWATER CHEMISTRY SUMMARY**

Former Wyeth, Carolina Facility, Puerto Rico

Sample		Total Iron	Iron, Dissolved	Total Manganese	Manganese, Dissolved	Nitrate as N	Nitrite as N	Nitrogen, NO <sub>2</sub> + NO <sub>3</sub>	Chloride	Sulfate	Biological Oxygen Demand	Chemical Oxygen Demand	Total Organic Carbon	Alkalinity (as CaCO <sub>3</sub> )	pH	Temperature	Conductivity	Dissolved Oxygen	Turbidity	Oxidation Reduction Potential
		Location	Date	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(S.U.)	(°C)	(µS/cm)	(mg/L)	(NTUs)	(mV)	
<b>MCL</b>		300*	-	50*	-	10	1	-	250*	250*	-	-	-	-	-	-	-	-	-	
<b>Units</b>		(µg/L)	(µg/L)	(µg/L)	(µg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(S.U.)	(°C)	(µS/cm)	(mg/L)	(NTUs)	(mV)	
MW-07D	10/17/2011	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	6.89	28.39	1,373	0.73	1.03	-51.3	
	09/11/2012	725	20.0 U	250	228	NM	NM	0.025 U	172	53.7	2.0 U	23.2	1.4	376	9.09 J	27.86	1,443	0.29	0.97 J	-118.1 J
	04/17/2013	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	6.90	27.46	1,333	0.46	7.88	-179.1	
	12/03/2013	2,220	491	258	245	0.086 U	0.072 U	0.086 U	156	54.4	NM	NM	1.4	309	7.12	27.13	1,088	0.25	31.7	-188.2
	02/03/2015	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	1.5	NM	7.04	27.61	1,282	0.36	109	-133.5
	03/17/2015	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	1.2	NM	7.18	26.51	1,218	0.41	6.97	-144.6
	07/17/2015	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	3.28	NM	6.88	27.90	5.28	0.52	4.29	26.6
	07/21/2015	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	3.83	NM	6.83	27.72	5.31	0.20	4.51	-78.6
	07/28/2015	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	3.39	NM	7.36	28.40	643	0.46	11.30	-106.5
	08/04/2015	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	7.24	27.88	1,006	0.32	5.44	-1,056	
	08/11/2015	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	7.05	29.89	1,323	0.17	1.72	-78.6	
	01/23/2018	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	7.13	27.23	-	0.20	2.37	-60.1	
	09/25/2018	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	7.38	27.83	422	0.30	2.61	49.3	
MW-08S	10/17/2011	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	6.40	30.39	818	1.26	36.7	118.3	
	09/12/2012	304	37.2 I	171	3.5 I	NM	NM	0.89	97.2	37.1	2.0 U	18.5 I	1.2	210	6.63	28.97	838	0.83	7.40 J	178.5 J
	12/05/2013	6,170	65.1	171	45.8	0.23	0.062	0.30 I	25.6	14.9	NM	NM	1.2	127	7.18	27.64	233	6.27	122	61.4
MW-09S	10/17/2011	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	6.29	30.59	741	0.88	86.9	131.1	
	09/11/2012	20.0 U	20.0 U	1,280	1,170	NM	NM	0.24	64.7	36.5	2.0 U	12.7 I	1.0 I	230	8.39 J	30.20	737	0.25	0.28 J	239.8 J
	12/04/2013	394	20.0 U	1,390	1,370	0.31	0.0091 I	0.31 I	63.9	39	NM	NM	0.94 I	219	6.37	29.06	539	0.37	6.02	0.5
	09/20/2018	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	6.19	29.98	650	0.31	2.72	226.9	
MW-10S	12/03/2013	357	132	389	389	0.66	0.036 U	0.66	84.3	43.1	NM	NM	1.8	197	6.43	29.34	771	0.33	NM	56.1
	09/20/2018	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	6.16	30.58	790	0.09	5.79	136.3	
MW-11S	12/03/2013	1,970	395	708	705	2.6	0.036 U	2.7	85.9	49.9	NM	NM	2.3	226	6.52	28.31	847	0.24	18.9	75.8
	09/21/2018	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	6.62	29.51	819	0.24	5.52	123.1	
MW-12S	12/02/2013	239	20.0 U	1,170	1,260	1.3	0.072 U	1.3	143	50.2	NM	NM	1.2	305	6.68	28.73	1,103	0.28	6.81	33.7
	09/20/2018	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	6.47	28.43	1,107	0.43	3.86	133.4	

**TABLE 4**  
**GROUNDWATER CHEMISTRY SUMMARY**

Former Wyeth, Carolina Facility, Puerto Rico

Sample		Total Iron	Iron, Dissolved	Total Manganese	Manganese, Dissolved	Nitrate as N	Nitrite as N	Nitrogen, NO <sub>2</sub> + NO <sub>3</sub>	Chloride	Sulfate	Biological Oxygen Demand	Chemical Oxygen Demand	Total Organic Carbon	Alkalinity (as CaCO <sub>3</sub> )	pH	Temperature	Conductivity	Dissolved Oxygen	Turbidity	Oxidation Reduction Potential
		Location	Date	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(S.U.)	(°C)	(µS/cm)	(mg/L)	(NTUs)	(mV)
<b>MCL</b>		300*	-	50*	-	10	1	-	250*	250*	-	-	-	-	-	-	-	-	-	-
<b>Units</b>		(µg/L)	(µg/L)	(µg/L)	(µg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(S.U.)	(°C)	(µS/cm)	(mg/L)	(NTUs)	(mV)
MW-13S	12/02/2013	421	20.0 U	253	259	1.4	0.082	1.5	58.7	106	NM	NM	2.5	178	6.87	26.82	873	0.40	16.8	36.4
	03/16/2015	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	4.9	NM	7.23	28.36	956	0.26	21.2	1.66
	04/19/2016	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	7.79	27.1	1,623	1.01	20.2	-265.1
	07/25/2016	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	6.33	29	1,600	0.17	25	-67.4
	06/19/2017	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	13.36	28.6	13.24	3.91	1.18	-422
	01/25/2018	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	7.01	29.31	-	0.73	3.57	-60.1
	09/17/2018	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	6.51	29.89	1,213.00	0.27	27.2	-108.0
MW-14S	12/04/2013	2,380	35.1 I	1,180	1,080	0.58	0.046 I	0.63	23.3	42.6	NM	NM	1.8	185	6.37	29.56	419	1.03	NM	40.6
MW-15S	12/02/2013	4,660	20.0 U	2,240	1,940	0.086 U	0.072 U	0.086 U	74.2	82.7	NM	NM	3.3	517	7.08	27.23	1,426	1.02	10.5	10.1
	09/21/2018	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	7.12	29.09	1,482	3.62	0.50	134.9
MW-16S	02/03/2015	NM	NM	NM	NM	0.10	0.025 U	0.10	115	41.3	NM	NM	2.5	NM	6.64	26.43	1,344	0.53	1.04	98.0
	03/16/2015	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	2.6	NM	6.99	26.65	1,373	0.28	18.7	-125.3
	07/17/2015	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	2.78	NM	6.93	27.12	1,383	0.33	1.76	38.7
	07/24/2015	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	2.17	NM	6.90	27.29	1,378	0.38	4.55	-34.1
	07/31/2015	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	7.40	27.69	1,449	2.50	1.34	-87.1
	08/07/2015	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	6.89	27.26	1,393	0.29	6.98	-29.8
	04/19/2016	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	7.83	27.70	1,592	0.81	0.13	-563.1
	07/26/2016	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	3.9	558	6.75	29.33	1,471	0.42	10.00	-72.1
	06/19/2017	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	14.95	27.6	1,360	1.19	6.94	1.19
	07/26/2017	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	3.7	567	7.62	28.1	1,354	0.76	8.16	-367
	09/19/2018	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	6.75	28.55	1,375	0.19	13.9	-114.6
	03/26/2019	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	6.73	28.72	1,309	1.40	6.35	44.7

**TABLE 4**  
**GROUNDWATER CHEMISTRY SUMMARY**

Former Wyeth, Carolina Facility, Puerto Rico

Sample		Total Iron	Iron, Dissolved	Total Manganese	Manganese, Dissolved	Nitrate as N	Nitrite as N	Nitrogen, NO <sub>2</sub> + NO <sub>3</sub>	Chloride	Sulfate	Biological Oxygen Demand	Chemical Oxygen Demand	Total Organic Carbon	Alkalinity (as CaCO <sub>3</sub> )	pH	Temperature	Conductivity	Dissolved Oxygen	Turbidity	Oxidation Reduction Potential
		Location	Date	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(S.U.)	(°C)	(µS/cm)	(mg/L)	(NTUs)	(mV)	
<b>MCL</b>		300*	-	50*	-	10	1	-	250*	250*	-	-	-	-	-	-	-	-	-	
<b>Units</b>		(µg/L)	(µg/L)	(µg/L)	(µg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(S.U.)	(°C)	(µS/cm)	(mg/L)	(NTUs)	(mV)	
MW-17S	02/04/2015	NM	NM	NM	NM	0.025 U	0.025 U	64.9	32.2	NM	NM	4.2	NM	6.68	27.48	1,504	0.38	9.29	81.9	
	03/16/2015	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	7.7	NM	6.78	27.59	2,110	0.56	2.62	-179.1	
	07/07/2015	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	6.68	29.61	1,866	0.30	0.78	-100.3	
	07/08/2015	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	1,629	NM	NM	NM	NM	NM	NM	NM	
	07/13/2015	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	1,652	NM	6.40	30.57	4,872.0	0.12	7.7	-85.5	
	07/17/2015	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	1,479	NM	6.49	35.14	4,564	0.96	NM	-67.1	
	07/24/2015	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	1,522	NM	6.16	32.87	3,840	0.38	37.3	-119.8	
	08/07/2015	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	6.52	29.47	4,004	0.20	10.4	-110.7	
	07/27/2016	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	28.4	1,330	6.60	30.70	2,895	0.19	10.0	-112.5	
	06/20/2017	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	11.70	27.9	2,417	4.40	6.1	321.0	
	09/17/2018	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	6.09	30.83	2,727	0.33	34.8	-119.2	
MW-18S	03/28/2019	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	6.67	29.98	2,399	0.13	33.2	-120.2	
	02/04/2015	NM	NM	NM	NM	0.025 U	0.025 U	0.025 U	NM	NM	NM	3.2	643	6.78	28.08	1,494	0.80	0.0	31.3	
	03/16/2015	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	4.3	NM	7.30	27.79	1.83	0.59	10.7	160	
	07/07/2015	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	6.75	29.03	1,607	0.39	11.4	-73.3	
	07/08/2015	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	1,290	NM	NM	NM	NM	NM	NM	NM	
	07/13/2015	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	1,269	NM	6.51	29.26	2,195	0.87	6.3	-209	
	07/17/2015	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	892	NM	6.69	30.76	4,203	0.56	15.7	-80.4	
	07/24/2015	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	649	NM	6.66	30.53	3,872	1.20	9.00	-114.3	
	07/31/2015	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	8.16	28.74	856	1.40	7.92	-103.0	
	08/07/2015	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	6.69	29.75	3,645	0.07	5.99	-90.7	
	06/19/2017	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	13.40	28.4	1,930	5.92	9.40	-407.0	
	01/25/2018	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	6.65	25.5	-	0.49	3.56	-101.1	
	09/17/2018	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	6.63	30.75	1,810	0.35	18.6	-111.0	
	03/28/2019	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	6.61	29.52	2,084	0.08	4.26	-115.3	

**TABLE 4**  
**GROUNDWATER CHEMISTRY SUMMARY**

Former Wyeth, Carolina Facility, Puerto Rico

Sample		Total Iron	Iron, Dissolved	Total Manganese	Manganese, Dissolved	Nitrate as N	Nitrite as N	Nitrogen, NO <sub>2</sub> + NO <sub>3</sub>	Chloride	Sulfate	Biological Oxygen Demand	Chemical Oxygen Demand	Total Organic Carbon	Alkalinity (as CaCO <sub>3</sub> )	pH	Temperature	Conductivity	Dissolved Oxygen	Turbidity	Oxidation Reduction Potential
		Location	Date	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(S.U.)	(°C)	(µS/cm)	(mg/L)	(NTUs)	(mV)
MCL		300*	-	50*	-	10	1	-	250*	250*	-	-	-	-	-	-	-	-	-	-
Units		(µg/L)	(µg/L)	(µg/L)	(µg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(S.U.)	(°C)	(µS/cm)	(mg/L)	(NTUs)	(mV)
MW-19S	07/07/2015	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	3.43	NM	6.98	30.06	1,422	1.61	3.6	459.6
	07/10/2015	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	286	NM	NM	NM	NM	NM	NM	NM
	07/13/2015	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	225	NM	7.02	29.40	1,920	0.42	11.1	-87.8
	07/17/2015	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	149	NM	6.99	30.75	1,737	0.30	4.54	-87.6
	07/24/2015	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	91.9	NM	7.04	30.09	1,556	0.87	3.49	-113.9
	07/31/2015	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	7.07	28.81	1,458	1.49	4.84	-106.5
	08/07/2015	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	6.77	28.25	1,477	0.08	5.75	-99.6	
	04/19/2016	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	6.65	27.80	1,667	1.90	1.20	-345.2		
MW-20S	07/07/2015	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	1.64	NM	6.93	29.59	1,327	0.35	1.81	194.0
	07/10/2015	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	216	NM	NM	NM	NM	NM	NM	NM
	07/13/2015	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	35.7	NM	6.97	28.23	1,290	0.27	10.6	-7.2
	07/17/2015	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	6.36	NM	6.92	31.73	1,257	0.30	29.9	-129.4
	07/24/2015	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	8.55	NM	7.05	30.35	1,252	0.62	4.23	-134.1
	07/31/2015	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	7.18	27.71	1,151	0.82	13.1	-96.8
	08/07/2015	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	6.90	28.09	1,384	0.10	5.49	-107
	04/19/2016	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	6.58	27.80	1,526	1.97	15.40	-399.8
	07/27/2016	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	6.80	30.26	1,523	0.34	10.00	-49.2
	09/18/2018	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	6.80	27.80	1,278	0.28	2.59	-105.0
	03/28/2019	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	6.69	29.54	1,626	0.39	0.90	-61.1
MW-21S	07/10/2015	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	2.16	NM	6.60	27.59	1,199	4.20	1.51	327.6
	07/17/2015	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	131	NM	6.96	29.35	1,736	0.45	33.6	-9.1
	07/21/2015	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	6.47	NM	6.92	27.94	1,425	0.12	9.43	-118.2
	07/28/2015	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	3.10	NM	6.97	27.92	1,334	0.57	3.83	-110.2
	08/04/2015	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	6.99	28.33	1,308	0.74	9.80	-67.0
	08/11/2015	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	6.73	28.40	1,300	0.31	2.85	-28.1
	04/18/2016	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	7.08	27.50	1,267	3.15	0.77	-181.7
	07/26/2016	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	6.91	27.62	1,255	0.25	10.00	-18.1
	06/19/2017	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	7.28	27.8	1,079	2.01	0.07	-129.6
	01/23/2018	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	6.98	28.1		0.39	11.12	-45.1
	09/24/2018	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	7.23	28.71	1,185	0.14	5.05	-106.6
	03/26/2019	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	6.94	28.76	1,050	3.8	3.08	-65.8

**TABLE 4**  
**GROUNDWATER CHEMISTRY SUMMARY**

Former Wyeth, Carolina Facility, Puerto Rico

Sample		Total Iron	Iron, Dissolved	Total Manganese	Manganese, Dissolved	Nitrate as N	Nitrite as N	Nitrogen, NO <sub>2</sub> + NO <sub>3</sub>	Chloride	Sulfate	Biological Oxygen Demand	Chemical Oxygen Demand	Total Organic Carbon	Alkalinity (as CaCO <sub>3</sub> )	pH	Temperature	Conductivity	Dissolved Oxygen	Turbidity	Oxidation Reduction Potential	
		Location	Date	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(S.U.)	(°C)	(µS/cm)	(mg/L)	(NTUs)	(mV)	
<b>MCL</b>		300*	-	50*	-	10	1	-	250*	250*	-	-	-	-	-	-	-	-	-	-	
<b>Units</b>		(µg/L)	(µg/L)	(µg/L)	(µg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(S.U.)	(°C)	(µS/cm)	(mg/L)	(NTUs)	(mV)	
MW-22S	09/24/2018	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	7.08	28.24	1,697	0.56	7.90	62.3	
MW-23S	07/27/2016	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	370	6.64	29.36	1,338	0.40	10.00	281.6
MW-24S	04/20/2016	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	7.88	27.8	1,183	1.20	8.30	-3337.2	
	07/27/2016	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	6.65	29.23	1,130	1.27	10.00	199.1	
MW-26	06/21/2017	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	10.40	28.4	1,158	4.22	3.90	270.1	
	07/27/2017	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	2.0	345	6.96	28.8	1,081	0.33	1.26	-361.1
	09/18/2018	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	6.65	30.51	2,179	0.18	36.4	-133.1	
MW-28S	09/19/2018	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	6.60	28.91	1,080	0.44	2.20	242.1	
MW-29S	06/20/2017	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	10.25	29.6	1,269	2.71	1.92	271.9	
MW-31S	06/19/2017	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	7.32	27.4	1,036	2.81	1.63	18.3	
	07/26/2017	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	4.1	436	6.14	27.3	1,044	0.62	0.18	-298
	01/23/2018	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	6.93	26.61	-	0.39	1.04	23.2	
	09/25/2018	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	7.16	28.25	1,326	0.18	0.85	-39.8	
INJ-1	07/17/2015	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	488	NM	6.81	28.64	2,348	0.16	27.9	-127.1	
	07/21/2015	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	452	NM	6.20	28.0	5,221	0.19	19.2	-129.7	
	07/28/2015	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	92.6	NM	7.40	28.13	1,250	0.70	10.5	-94.9	
	08/04/2015	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	7.09	27.89	1,131	0.21	7.55	-90.5	
	08/11/2015	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	6.89	29.20	1,353	0.15	14.40	-91.6	
INJ-2	07/17/2015	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	775	NM	6.62	28.49	2,664	0.29	215	-77.9	
	07/21/2015	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	703	NM	6.39	28.47	2,666	0.25	54.7	-122.7	
	07/28/2015	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	556	NM	6.74	28.13	2,089	0.26	20.1	-95.9	
	07/31/2015	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	7.06	28.75	1,864	2.35	21.0	-769	
	08/04/2015	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	6.84	28.45	1,720	0.30	59.2	-79.6	
	08/11/2015	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	6.53	28.42	2,677	0.15	99.0	-110	

**TABLE 4**  
**GROUNDWATER CHEMISTRY SUMMARY**

Former Wyeth, Carolina Facility, Puerto Rico

Sample		Total Iron	Iron, Dissolved	Total Manganese	Manganese, Dissolved	Nitrate as N	Nitrite as N	Nitrogen, NO <sub>2</sub> + NO <sub>3</sub>	Chloride	Sulfate	Biological Oxygen Demand	Chemical Oxygen Demand	Total Organic Carbon	Alkalinity (as CaCO <sub>3</sub> )	pH	Temperature	Conductivity	Dissolved Oxygen	Turbidity	Oxidation Reduction Potential
		Location	Date	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(S.U.)	(°C)	(µS/cm)	(mg/L)	(NTUs)	(mV)	
MCL		300*	-	50*	-	10	1	-	250*	250*	-	-	-	-	-	-	-	-	-	
Units		(µg/L)	(µg/L)	(µg/L)	(µg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(S.U.)	(°C)	(µS/cm)	(mg/L)	(NTUs)	(mV)	
INJ-3	07/17/2015	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	5,145	NM	6.15	33.24	4,856	0.22	9.14	-70.3
	07/21/2015	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	739	NM	6.44	28.43	3,026	0.11	31.6	-131.8
	07/28/2015	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	231	NM	6.99	28.68	1,827	1.01	13.6	-85.0
	08/04/2015	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	6.95	28.09	1,588	0.30	7.0	-61.3
	08/11/2015	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	6.96	29.03	1,523	0.15	10.0	-108.0
	07/28/2016	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	8.2	NM	6.85	27.83	1,320	1.35	10.0	-48.7
	01/23/2018	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	6.59	28.00	0.11	10.1	-83.9	
INJ-4	07/17/2015	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	2.90	NM	NM	NM	NM	NM	NM	NM
	07/21/2015	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	1.64	NM	6.75	29.25	1,405	0.42	4.47	-115.1
	07/28/2015	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	1.37	NM	6.79	27.69	1,383	0.46	4.75	-61.7
	08/04/2015	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	6.84	27.95	1,374	1.10	0.82	-79.0
	08/11/2015	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	6.73	28.88	1,396	0.16	0.28	-47.0
	04/19/2016	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	7.52	26.80	832	3.93	37.8	-425.3
	07/27/2017	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	13.4	556	6.65	27.20	1,350	0.61	3.66	-352.3
INJ-6	04/19/2016	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	7.81	23.3	2,049	2.69	15.8	-432.2
	07/27/2017	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	7.48	28.3	1,374	0.96	0.53	-322.3
	03/27/2019	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	6.75	28.33	1,376	0.16	0.67	-78.9
INJ-7	07/17/2015	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	116	NM	6.29	31.9	3,787	0.12	>1000	-76.4
	08/07/2015	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	6.77	29.53	2,650	0.09	9.78	-151.7
INJ-8	07/17/2015	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	6,110	NM	6.19	32.91	1,525	1.47	>1000	-64.4
	08/07/2015	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	6.67	30.16	3,117	0.13	41.1	-142.5
INJ-9	07/13/2015	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	1,041	NM	6.71	29.89	5,892	0.52	45.1	-127.1
	07/17/2015	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	470	NM	5.56	30.26	1,453	0.46	>1000	41.7
	07/24/2015	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	297	NM	6.56	29.96	2,232	0.29	20.2	-119.3
	07/31/2015	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	7.00	29.52	2,048	0.48	4.69	-152
	08/07/2015	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	6.75	29.49	3,125	0.13	14.8	-151.5
	04/19/2016	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	6.95	28.10	1,819	1.47	17.9	-361.8

**TABLE 4**  
**GROUNDWATER CHEMISTRY SUMMARY**

Former Wyeth, Carolina Facility, Puerto Rico

Sample		Total Iron	Iron, Dissolved	Total Manganese	Manganese, Dissolved	Nitrate as N	Nitrite as N	Nitrogen, NO <sub>2</sub> + NO <sub>3</sub>	Chloride	Sulfate	Biological Oxygen Demand	Chemical Oxygen Demand	Total Organic Carbon	Alkalinity (as CaCO <sub>3</sub> )	pH	Temperature	Conductivity	Dissolved Oxygen	Turbidity	Oxidation Reduction Potential
		Location	Date	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(S.U.)	(°C)	(µS/cm)	(mg/L)	(NTUs)	(mV)	
<b>MCL</b>		300*	-	50*	-	10	1	-	250*	250*	-	-	-	-	-	-	-	-	-	
<b>Units</b>		(µg/L)	(µg/L)	(µg/L)	(µg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(S.U.)	(°C)	(µS/cm)	(mg/L)	(NTUs)	(mV)	
INJ-10	07/13/2015	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	1,654	NM	6.51	37.08	4,060	1.47	182	-92.9
	07/17/2015	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	591	NM	6.09	30.80	1,667	0.48	>1000	-69.5
	07/24/2015	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	1,231	NM	6.49	33.20	4,448	0.15	56.6	-126.6
	07/31/2015	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	6.51	31.60	3,512	2.70	43.4	-146.3
	08/07/2015	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	6.63	29.54	4,540	0.15	8.55	-155.1
	04/19/2016	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	6.81	28.30	2,338	2.75	40.90	-350.2
INJ-11	07/17/2015	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	1,254	NM	6.32	31.04	3,934	0.55	>1000	-112.8
	08/07/2015	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	5.91	30.29	2,077	0.23	74.0	-199.3
INJ-12	07/17/2015	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	1,300	NM	6.11	31.2	1,995	0.52	>1000	-111.4
	08/07/2015	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	6.61	27.98	4,103	0.28	10.0	-109.7
INJ-13	07/25/2016	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	6.35	29.07	2,320	0.1	200	-100.4
INJ-14	07/25/2016	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	6.55	30.54	2,956	0.14	9	311.4
INJ-15	07/10/2015	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	6.57	27.93	1,220	0.41	4.13	416.9
	07/17/2015	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	1,403	NM	6.58	29.87	4,433	0.57	40.2	-69.6
	07/21/2015	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	734	NM	6.34	28.95	2,688	0.44	34.0	-127.3
	07/28/2015	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	223	NM	6.46	23.52	1,661	2.35	8.55	-132
	07/31/2015	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	7.06	28.72	1,541	2.94	19.2	-170.4
	08/04/2015	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	6.79	28.64	1,372	0.42	5.12	-120.5
	08/11/2015	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	6.88	29.08	1,368	0.21	3.74	-101.0
INJ-16	04/18/2016	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	10.6	NM	7.2	27.8	1,087	3.18	3.97	-1750
	07/25/2016	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	6.85	28.15	1,043	1.17	10	-53
	07/27/2017	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	3.7	389	7.68	29.2	1,064	2.30	0.28	-380.6
INJ-18	04/19/2016	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	7.28	28.38	1,128	1.12	12.2	-465
	07/27/2017	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	6.9	410	7.17	29.7	1,071	0.66	1.08	-414.3

**TABLE 4**  
**GROUNDWATER CHEMISTRY SUMMARY**

Former Wyeth, Carolina Facility, Puerto Rico

Sample		Total Iron	Iron, Dissolved	Total Manganese	Manganese, Dissolved	Nitrate as N	Nitrite as N	Nitrogen, NO <sub>2</sub> + NO <sub>3</sub>	Chloride	Sulfate	Biological Oxygen Demand	Chemical Oxygen Demand	Total Organic Carbon	Alkalinity (as CaCO <sub>3</sub> )	pH	Temperature	Conductivity	Dissolved Oxygen	Turbidity	Oxidation Reduction Potential
		Location	Date	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(S.U.)	(°C)	(µS/cm)	(mg/L)	(NTUs)	(mV)	
<b>MCL</b>		300*	-	50*	-	10	1	-	250*	250*	-	-	-	-	-	-	-	-	-	
<b>Units</b>		(µg/L)	(µg/L)	(µg/L)	(µg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(S.U.)	(°C)	(µS/cm)	(mg/L)	(NTUs)	(mV)	
INJ-22	07/25/2016	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	6.80	26.79	1,481	0.29	10	-98	
	07/27/2017	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	2.6	439	6.82	27	1,263	1.10	0.29	-357.1
INJ-23	01/25/2018	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	6.80	26.57		0.44	0.79	-96.9	
	03/27/2019	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	6.55	30.23	1,930	0.04	23.4	-131.4	
INJ-24	04/20/2016	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	8.49	28.2	1,660	1.37	7.2	-390.7	
	07/27/2016	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	26.6	NM	6.33	29.31	1,697	0.44	10	-55.9
	06/19/2017	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	13.16	27.4	11.57	2.13	1.20	-323.4	
	01/25/2018	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	6.66	26.77	-	0.42	1.91	-62.3	
	09/19/2018	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	5.38	32.27	2,066	0.26	29.4	-32.0	
	03/27/2019	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	6.45	29.62	1,831	0.06	19.0	-107.9	
INJ-25	07/25/2016	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	6.61	29.48	1,025	0.27	8	-60.5	
	07/27/2017	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	5.1	693	6.78	27.9	1,497	0.63	1.27	-328.1
	09/18/2018	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	6.77	30.00	2,329	0.19	35.0	-139.0	
INJ-27	07/26/2016	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	6.69	29.99	1,449	0.8	10	290.4	
INJ-28	07/26/2016	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	6.75	28.85	1,446	2.56	10	251.6	
INJ-29	07/26/2016	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	6.29	27.68	1,064	1.79	10	208.7	
	01/24/2018	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	6.74	28.25		0.39	2.81	-75.4	
INJ-30	07/27/2016	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	6.41	28.78	1,331	4.2	10	277.6	
	01/24/2018	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	6.87	28.19		0.37	0.9	-103.8	
	09/19/2018	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	6.51	29.55	1,924	0.13	20.9	-164.9	
INJ-34	07/26/2017	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	1,140	555	6.88	29.4	1,507	0.90	8.11	-121.5
	01/24/2018	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	5.58	29.19		0.68	9.53	31.5	
INJ-36	06/19/2017	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	11.41	28.8	1,701	5.71	14.3	-326.1	
	01/24/2018	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	6.76	28.66		0.30	9.99	-135.8	

**TABLE 4**  
**GROUNDWATER CHEMISTRY SUMMARY**

Former Wyeth, Carolina Facility, Puerto Rico

Sample		Total Iron	Iron, Dissolved	Total Manganese	Manganese, Dissolved	Nitrate as N	Nitrite as N	Nitrogen, NO <sub>2</sub> + NO <sub>3</sub>	Chloride	Sulfate	Biological Oxygen Demand	Chemical Oxygen Demand	Total Organic Carbon	Alkalinity (as CaCO <sub>3</sub> )	pH	Temperature	Conductivity	Dissolved Oxygen	Turbidity	Oxidation Reduction Potential
		Location	Date	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(S.U.)	(°C)	(µS/cm)	(mg/L)	(NTUs)	(mV)
<b>MCL</b>		300*	-	50*	-	10	1	-	250*	250*	-	-	-	-	-	-	-	-	-	-
<b>Units</b>		(µg/L)	(µg/L)	(µg/L)	(µg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(S.U.)	(°C)	(µS/cm)	(mg/L)	(NTUs)	(mV)
INJ-37	09/18/2018	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	5.66	29.88	2,619	0.17	36.8	-33.1
INJ-38	06/19/2017	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	12.87	27.7	1,115	1.80	3.20	305.1
	09/19/2018	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	6.36	30.64	1,395	0.23	57.8	-82.5
	03/27/2019	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	6.40	29.69	1,676	0.08	12.8	-80.1
INJ-39	06/21/2017	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	12.71	27.8	1,113	1.79	2.90	307.9
	09/18/2018	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	6.68	29.70	2,621	0.25	12.39	-146.0

Notes:

mV - millivolts

\* - secondary MCL (SMCL)

µg/L - micrograms per liter

mg/L - milligrams per liter

S.U. - standard units

°C - degrees Celsius

µS/cm - microsiemens per centimeter

NTUs - nephelometric turbidity units

U - Indicates the compound was analyzed for but not detected at a concentration greater than the shown MDL.

I - The reported value is between the laboratory MDL and the laboratory practical quantitation limit (PQL).

J - Calibration result was outside the acceptable criteria for standard range

Thick solid line indicates injection event took place in the area of the specified well between sampling events

MDL - Method Detection Limit

NM - Not Measured

**Bold** denotes a detection above laboratory method detection limit.

Shaded - Concentration is greater than MCL

MCL - Federal Maximum Contaminant Level from <http://water.epa.gov/drink/contaminants/index.cfm#List> as of October 11, 2010.

**TABLE 5**  
**PERFORMANCE MONITORING PLAN**

**Pfizer, Carolina Facility, Puerto Rico**

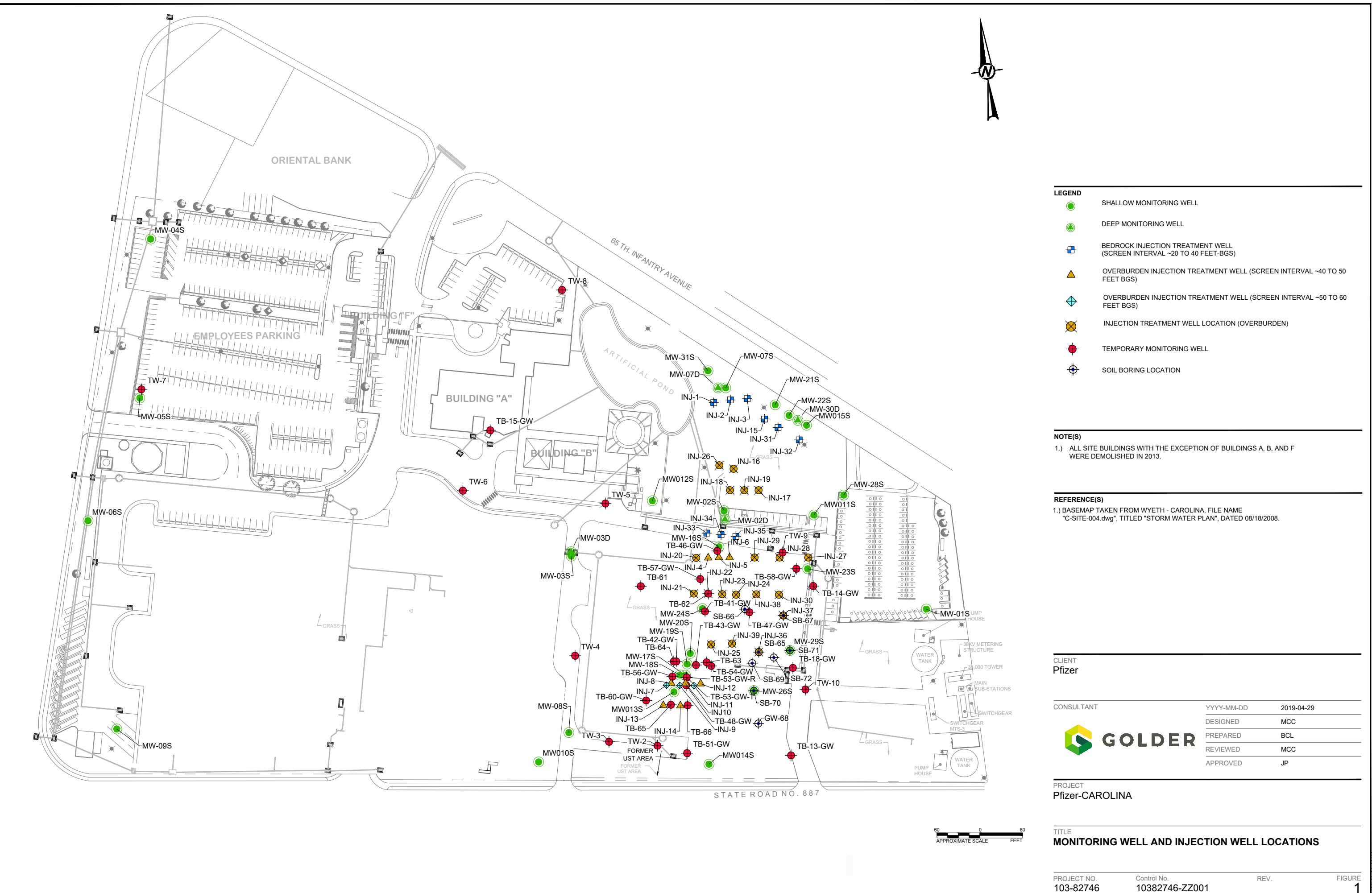
Sample ID	Screened Interval	Select CVOCs	pH	Temperature	Conductivity	Dissolved Oxygen	Turbidity	Oxidation Reduction Potential
EPA Method	(feet)	8260	Field	Field	Field	Field	Field	Field
<b>Semi-Annual Groundwater Monitoring (March 2019 and March 2020)</b>								
MW-02S	29.9 - 39.9	X	X	X	X	X	X	X
MW-02D	77.2 - 87.2	X	X	X	X	X	X	X
MW-07S	28 - 38	X	X	X	X	X	X	X
MW-16S	38 - 48	X	X	X	X	X	X	X
MW-17S	40 - 50	X	X	X	X	X	X	X
MW-18S	50 - 60	X	X	X	X	X	X	X
MW-20S	40 - 50	X	X	X	X	X	X	X
MW-21S	37 - 47	X	X	X	X	X	X	X
INJ-6	40 - 50	X	X	X	X	X	X	X
INJ-23	42.5 - 49.5	X	X	X	X	X	X	X
INJ-24	41 - 51	X	X	X	X	X	X	X
INJ-38	37.1 - 47.1	X	X	X	X	X	X	X

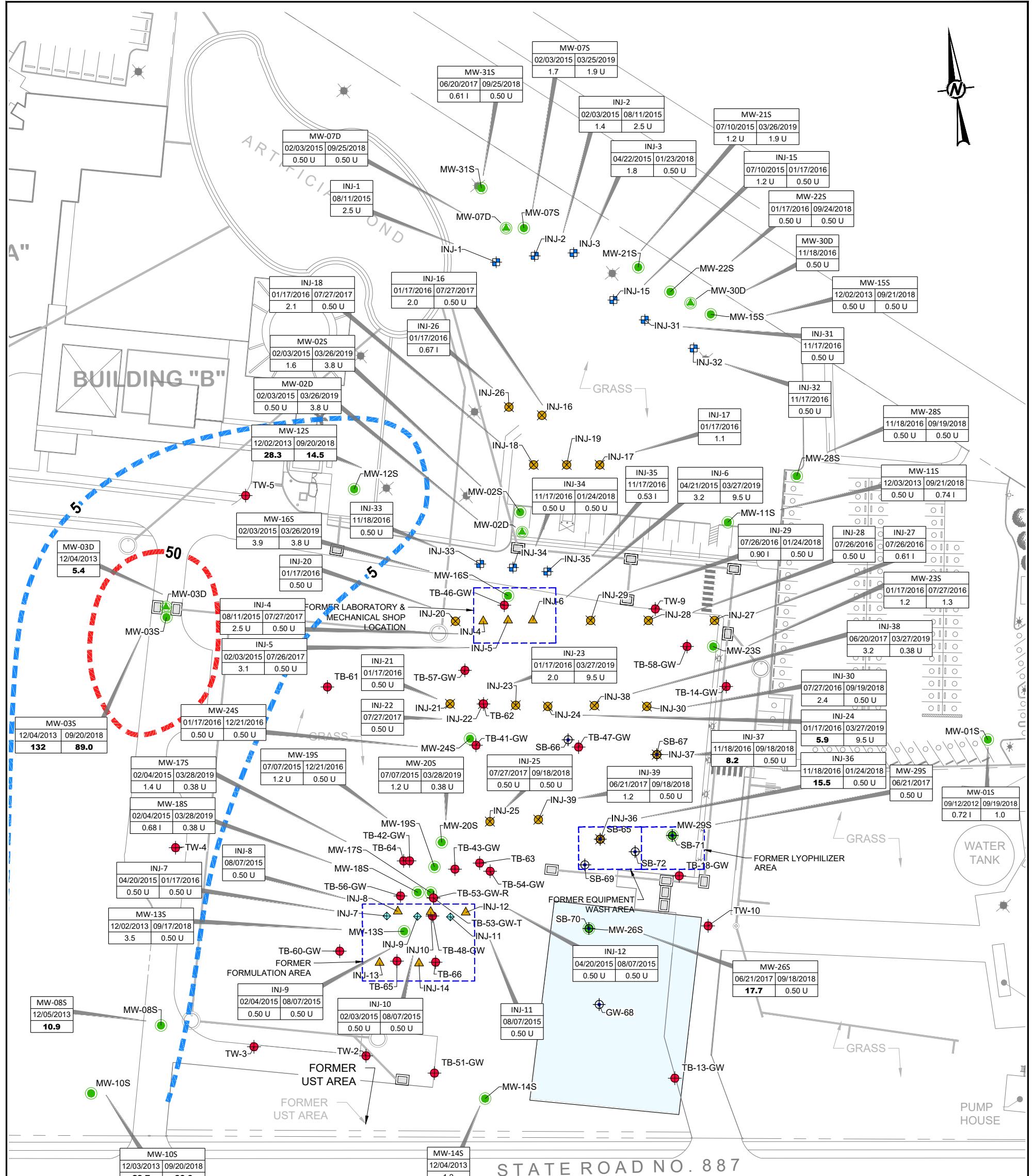
**TABLE 5**  
**PERFORMANCE MONITORING PLAN**

**Pfizer, Carolina Facility, Puerto Rico**

Sample ID	Screened Interval	Select CVOCs	pH	Temperature	Conductivity	Dissolved Oxygen	Turbidity	Oxidation Reduction Potential
EPA Method	(feet)	8260	Field	Field	Field	Field	Field	Field
<b>Annual Groundwater Monitoring (September 2019 and September 2020)</b>								
MW-02S	29.9 - 39.9	X	X	X	X	X	X	X
MW-02D	77.2 - 87.2	X	X	X	X	X	X	X
MW-07S	28 - 38	X	X	X	X	X	X	X
MW-07D	88 - 98	X	X	X	X	X	X	X
MW-11S	30 - 40	X	X	X	X	X	X	X
MW-13S	30 - 40	X	X	X	X	X	X	X
MW-16S	38 - 48	X	X	X	X	X	X	X
MW-17S	40 - 50	X	X	X	X	X	X	X
MW-18S	50 - 60	X	X	X	X	X	X	X
MW-20S	40 - 50	X	X	X	X	X	X	X
MW-21S	37 - 47	X	X	X	X	X	X	X
MW-23S	33 - 43	X	X	X	X	X	X	X
MW-26S	37.4 - 47.4	X	X	X	X	X	X	X
MW-28S	50 - 60	X	X	X	X	X	X	X
INJ-3	19 - 40	X	X	X	X	X	X	X
INJ-6	40 - 50	X	X	X	X	X	X	X
INJ-23	42.5 - 49.5	X	X	X	X	X	X	X
INJ-24	41 - 51	X	X	X	X	X	X	X
INJ-29	26.5 - 36.5	X	X	X	X	X	X	X
INJ-30	32.5 - 42.5	X	X	X	X	X	X	X
INJ-36	30.8 - 40.8	X	X	X	X	X	X	X
INJ-37	32.9 - 42.9	X	X	X	X	X	X	X
INJ-38	37.1 - 47.1	X	X	X	X	X	X	X
INJ-39	36.3 - 46.3	X	X	X	X	X	X	X
<b>Notes:</b>								
Performance monitoring results will be reviewed during the monitoring period and the plan may be adjusted based on results to include additional sampling and additional constituents.								
X - Parameter measured or analyzed								
--- - not sampled or analyzed								
CVOCs - chlorinated volatile organic compounds								

## FIGURES





**LEGEND**

- SHALLOW MONITORING WELL
- DEEP MONITORING WELL
- BEDROCK INJECTION TREATMENT WELL (SCREEN INTERVAL ~20 TO 40 FEET-BGS)
- OVERBURDEN INJECTION TREATMENT WELL (SCREEN INTERVAL ~40 TO 50 FEET BGS)
- OVERBURDEN INJECTION TREATMENT WELL (SCREEN INTERVAL ~50 TO 60 FEET BGS)
- INJECTION TREATMENT WELL LOCATION (OVERBURDEN)
- TEMPORARY MONITORING WELL
- SOIL BORING LOCATION
- OCTOBER 2013 EXCAVATION AREA

**NOTE(S)**

- ALL SITE BUILDINGS WITH THE EXCEPTION OF BUILDINGS A, B, AND F WERE DEMOLISHED IN 2013.
- U - INDICATES THAT THE COMPOUND WAS ANALYZED FOR BUT NOT DETECTED
- I - REPORTED VALUE IS BETWEEN THE LABORATORY METHOD DETECTION LIMIT AND LABORATORY PRACTICAL QUANTITATION LIMIT

**REFERENCE(S)**

- BASEMAP TAKEN FROM WYETH - CAROLINA, FILE NAME "C-SITE-004.dwg", TITLED "STORM WATER PLAN", DATED 08/18/2008.

**CLIENT**  
Pfizer

**CONSULTANT**

**GOLDER**

YYYY-MM-DD  
2019-04-29

DESIGNED  
MCC

PREPARED  
BCL

REVIEWED  
MCC

APPROVED  
JP

**PROJECT**  
Pfizer-CAROLINA

**TITLE**  
**GROUNDWATER ANALYTICAL SUMMARY FOR PCE (w/POST-INJECTION ISOCONTOURS) (MARCH 2019)**

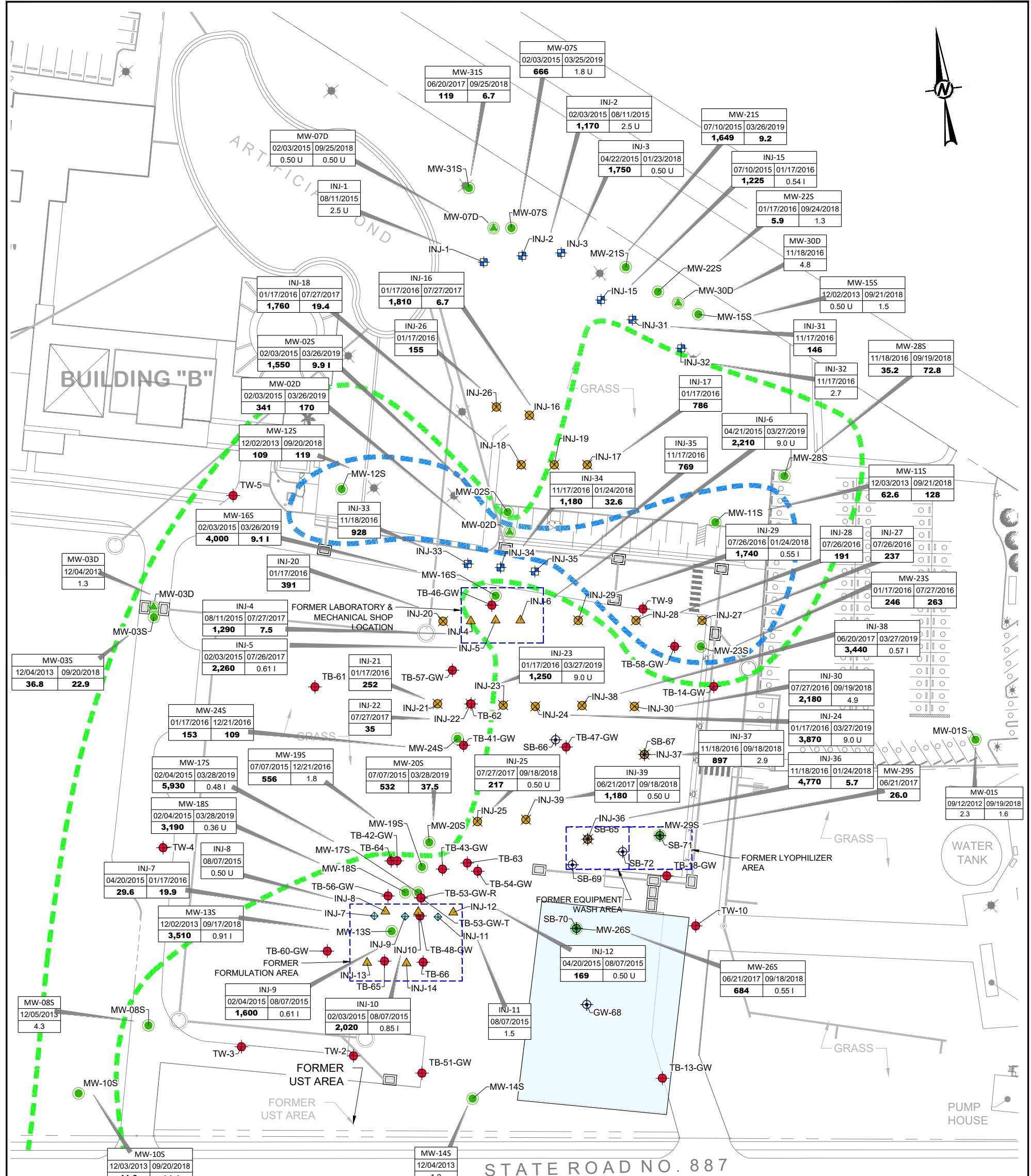
PROJECT NO.  
103-82746

Control No.

REV.

FIGURE  
2

30 0 30  
APPROXIMATE SCALE FEET



LEGEND	
●	SHALLOW MONITORING WELL
●	DEEP MONITORING WELL
■	BEDROCK INJECTION TREATMENT WELL (SCREEN INTERVAL ~20 TO 40 FEET-BGS)
▲	OVERBURDEN INJECTION TREATMENT WELL (SCREEN INTERVAL ~40 TO 50 FEET BGS)
◆	OVERBURDEN INJECTION TREATMENT WELL (SCREEN INTERVAL ~50 TO 60 FEET BGS)
⊗	INJECTION TREATMENT WELL LOCATION (OVERBURDEN)
●	TEMPORARY MONITORING WELL
○	SOIL BORING LOCATION
□	OCTOBER 2013 EXCAVATION AREA

INJ-7 1/17/16 5	WELL ID No. DATE SAMPLED TRICHLOROETHENE (TCE) ( $\mu$ g/L)
1,600 0.61 I	
2,020 0.85 I	
1.5	
> 100 $\mu$ g/L	> 10 $\mu$ g/L

- NOTE(S)**
- ALL SITE BUILDINGS WITH THE EXCEPTION OF BUILDINGS A, B, AND F WERE DEMOLISHED IN 2013.

- REFERENCE(S)**
- BASEMAP TAKEN FROM WYETH - CAROLINA, FILE NAME "C-SITE-004.dwg", TITLED "STORM WATER PLAN", DATED 08/18/2008.

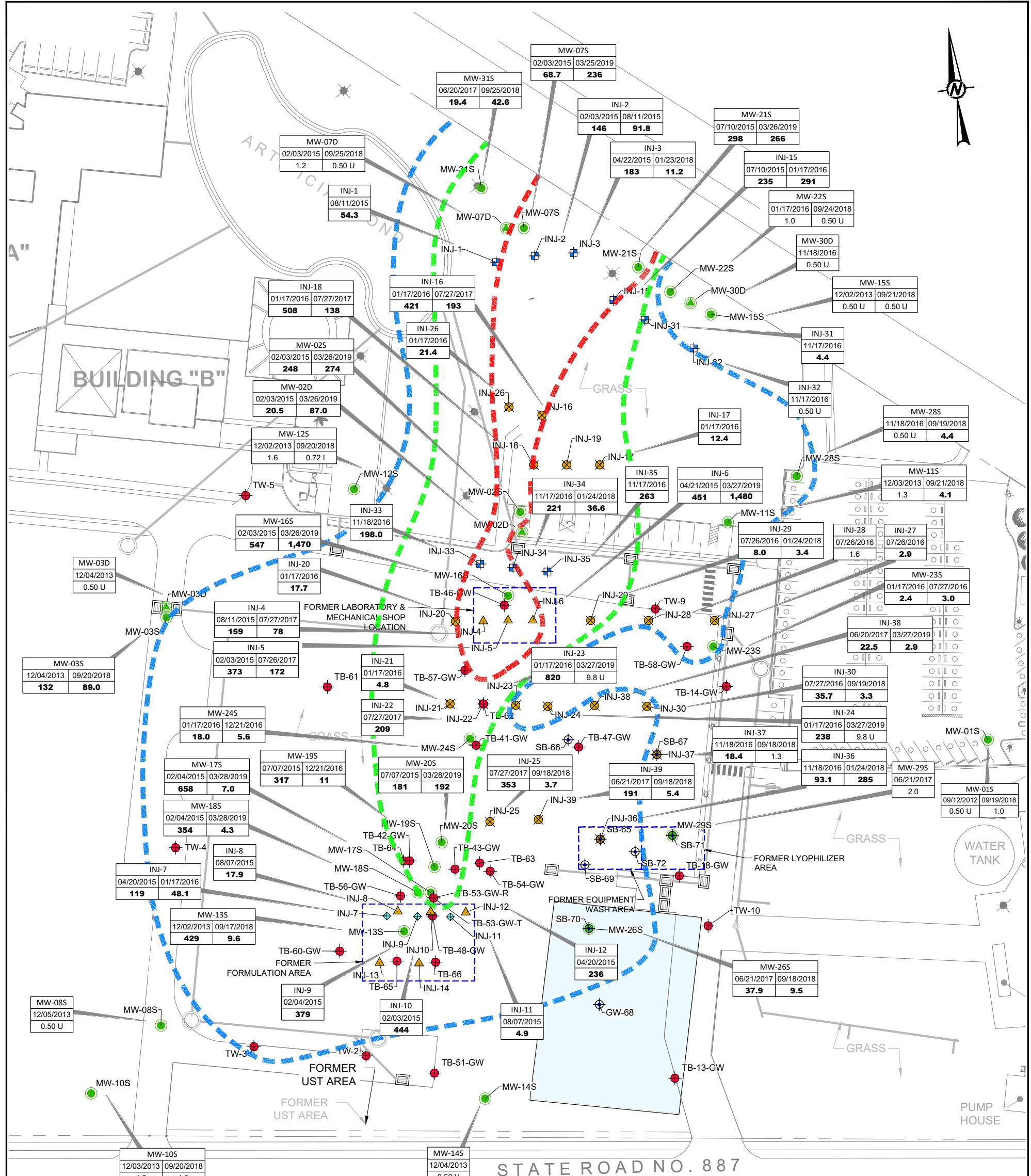
CLIENT  
Pfizer

CONSULTANT

**GOLDER**YYYY-MM-DD  
2019-04-29DESIGNED  
MCCPREPARED  
BCLREVIEWED  
MCCAPPROVED  
JPPROJECT  
Pfizer-CAROLINATITLE  
**GROUNDWATER ANALYTICAL SUMMARY FOR TCE  
(w/ POST-INJECTION ISOCONTOURS)  
(MARCH 2019)**PROJECT NO.  
103-82746Control No.  
10382746-ZZ003

REV.

FIGURE  
3APPROXIMATE SCALE  
0 FEET



**ATTACHMENT A**

## Laboratory Analytical Report

April 10, 2019

Mr. Matt Crews, PE  
Golder Associates, Inc.  
9428 Baymeadows Road  
Suite 400  
Jacksonville, FL 32256

RE: Project: PFIZER-CAROLINA PR  
Pace Project No.: 35457901

Dear Mr. Crews, PE:

Enclosed are the analytical results for sample(s) received by the laboratory on March 28, 2019. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Todd Rea  
todd.rea@pacelabs.com  
(904) 903-7948  
Project Manager

Enclosures

cc: Jax\_Labdata, Golder Associates, Inc.



## REPORT OF LABORATORY ANALYSIS

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## CERTIFICATIONS

Project: PFIZER-CAROLINA PR  
Pace Project No.: 35457901

---

### Ormond Beach Certification IDs

8 East Tower Circle, Ormond Beach, FL 32174  
Alaska DEC- CS/UST/LUST  
Alabama Certification #: 41320  
Arizona Certification# AZ0819  
Colorado Certification: FL NELAC Reciprocity  
Connecticut Certification #: PH-0216  
Florida Certification #: E83079  
Georgia Certification #: 955  
Guam Certification: FL NELAC Reciprocity  
Hawaii Certification: FL NELAC Reciprocity  
Illinois Certification #: 200068  
Indiana Certification: FL NELAC Reciprocity  
Kansas Certification #: E-10383  
Kentucky Certification #: 90050  
Louisiana Certification #: FL NELAC Reciprocity  
Louisiana Environmental Certificate #: 05007  
Maryland Certification: #346  
Michigan Certification #: 9911  
Mississippi Certification: FL NELAC Reciprocity  
Missouri Certification #: 236

Montana Certification #: Cert 0074  
Nebraska Certification: NE-OS-28-14  
New Hampshire Certification #: 2958  
New Jersey Certification #: FL022  
New York Certification #: 11608  
North Carolina Environmental Certificate #: 667  
North Carolina Certification #: 12710  
North Dakota Certification #: R-216  
Oklahoma Certification #: D9947  
Pennsylvania Certification #: 68-00547  
Puerto Rico Certification #: FL01264  
South Carolina Certification: #96042001  
Tennessee Certification #: TN02974  
Texas Certification: FL NELAC Reciprocity  
US Virgin Islands Certification: FL NELAC Reciprocity  
Virginia Environmental Certification #: 460165  
West Virginia Certification #: 9962C  
Wisconsin Certification #: 399079670  
Wyoming (EPA Region 8): FL NELAC Reciprocity

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## REPORT OF LABORATORY ANALYSIS

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## SAMPLE SUMMARY

Project: PFIZER-CAROLINA PR  
Pace Project No.: 35457901

Lab ID	Sample ID	Matrix	Date Collected	Date Received
35457901001	<b>MW-7S</b>	Water	03/25/19 16:45	03/28/19 16:00
35457901002	<b>MW-21S</b>	Water	03/26/19 09:20	03/28/19 16:00
35457901003	<b>MW-2S</b>	Water	03/26/19 10:50	03/28/19 16:00
35457901004	<b>MW-2D</b>	Water	03/26/19 12:05	03/28/19 16:00
35457901005	<b>MW-16S</b>	Water	03/26/19 14:20	03/28/19 16:00
35457901006	<b>INJ-6</b>	Water	03/27/19 10:00	03/28/19 16:00
35457901007	<b>INJ-23</b>	Water	03/27/19 12:00	03/28/19 16:00
35457901008	<b>INJ-24</b>	Water	03/27/19 14:45	03/28/19 16:00
35457901009	<b>INJ-38</b>	Water	03/27/19 16:10	03/28/19 16:00
35457901010	<b>MW-20S</b>	Water	03/28/19 09:45	03/28/19 16:00
35457901011	<b>MW-17S</b>	Water	03/28/19 11:15	03/28/19 16:00
35457901012	<b>MW-18S</b>	Water	03/28/19 13:40	03/28/19 16:00
35457901013	<b>COMPOSITE SAMPLE</b>	Water	03/28/19 14:30	03/28/19 16:00

## REPORT OF LABORATORY ANALYSIS

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## SAMPLE ANALYTE COUNT

Project: PFIZER-CAROLINA PR  
Pace Project No.: 35457901

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
35457901001	MW-7S	EPA 8260	BTN	34	PASI-O
35457901002	MW-21S	EPA 8260	BTN	34	PASI-O
35457901003	MW-2S	EPA 8260	BTN	34	PASI-O
35457901004	MW-2D	EPA 8260	BTN	34	PASI-O
35457901005	MW-16S	EPA 8260	BTN	34	PASI-O
35457901006	INJ-6	EPA 8260	BTN	34	PASI-O
35457901007	INJ-23	EPA 8260	BTN	34	PASI-O
35457901008	INJ-24	EPA 8260	BTN	34	PASI-O
35457901009	INJ-38	EPA 8260	BTN	33	PASI-O
35457901010	MW-20S	EPA 8260	BTN	34	PASI-O
35457901011	MW-17S	EPA 8260	SK1	34	PASI-O
35457901012	MW-18S	EPA 8260	BTN	33	PASI-O
35457901013	COMPOSITE SAMPLE	EPA 8260	BTN	34	PASI-O

## REPORT OF LABORATORY ANALYSIS

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## SUMMARY OF DETECTION

Project: PFIZER-CAROLINA PR

Pace Project No.: 35457901

Lab Sample ID	Client Sample ID						
Method	Parameters	Result	Units	Report Limit	Analyzed	Qualifiers	
<b>35457901001</b>	<b>MW-7S</b>						
EPA 8260	1,2-Dichloroethene (Total)	518	ug/L	5.0	04/05/19 15:51	N2	
EPA 8260	cis-1,2-Dichloroethene	408	ug/L	5.0	04/05/19 15:51		
EPA 8260	trans-1,2-Dichloroethene	109	ug/L	5.0	04/05/19 15:51		
EPA 8260	Vinyl chloride	236	ug/L	5.0	04/05/19 15:51		
<b>35457901002</b>	<b>MW-21S</b>						
EPA 8260	1,2-Dichloroethene (Total)	712	ug/L	5.0	04/05/19 16:15	N2	
EPA 8260	1,1-Dichloroethene	2.1 I	ug/L	5.0	04/05/19 16:15		
EPA 8260	cis-1,2-Dichloroethene	591	ug/L	5.0	04/05/19 16:15		
EPA 8260	trans-1,2-Dichloroethene	120	ug/L	5.0	04/05/19 16:15		
EPA 8260	Trichloroethene	9.2	ug/L	5.0	04/05/19 16:15		
EPA 8260	Vinyl chloride	266	ug/L	5.0	04/05/19 16:15		
<b>35457901003</b>	<b>MW-2S</b>						
EPA 8260	1,2-Dichloroethene (Total)	1190	ug/L	10.0	04/05/19 16:39	N2	
EPA 8260	1,1-Dichloroethene	3.6 I	ug/L	10.0	04/05/19 16:39		
EPA 8260	cis-1,2-Dichloroethene	975	ug/L	10.0	04/05/19 16:39		
EPA 8260	trans-1,2-Dichloroethene	216	ug/L	10.0	04/05/19 16:39		
EPA 8260	Trichloroethene	9.9 I	ug/L	10.0	04/05/19 16:39		
EPA 8260	Vinyl chloride	274	ug/L	10.0	04/05/19 16:39		
<b>35457901004</b>	<b>MW-2D</b>						
EPA 8260	1,2-Dichloroethene (Total)	785	ug/L	10.0	04/05/19 17:03	N2	
EPA 8260	1,1-Dichloroethene	4.5 I	ug/L	10.0	04/05/19 17:03		
EPA 8260	cis-1,2-Dichloroethene	749	ug/L	10.0	04/05/19 17:03		
EPA 8260	trans-1,2-Dichloroethene	36.3	ug/L	10.0	04/05/19 17:03		
EPA 8260	Trichloroethene	170	ug/L	10.0	04/05/19 17:03		
EPA 8260	Vinyl chloride	87.0	ug/L	10.0	04/05/19 17:03		
<b>35457901005</b>	<b>MW-16S</b>						
EPA 8260	1,2-Dichloroethene (Total)	929	ug/L	10.0	04/05/19 17:28	N2	
EPA 8260	1,1-Dichloroethene	3.1 I	ug/L	10.0	04/05/19 17:28		
EPA 8260	cis-1,2-Dichloroethene	607	ug/L	10.0	04/05/19 17:28		
EPA 8260	trans-1,2-Dichloroethene	322	ug/L	10.0	04/05/19 17:28		
EPA 8260	Trichloroethene	9.1 I	ug/L	10.0	04/05/19 17:28		
EPA 8260	Vinyl chloride	1470	ug/L	10.0	04/05/19 17:28		
<b>35457901006</b>	<b>INJ-6</b>						
EPA 8260	1,2-Dichloroethene (Total)	314	ug/L	25.0	04/05/19 17:52	N2	
EPA 8260	cis-1,2-Dichloroethene	172	ug/L	25.0	04/05/19 17:52		
EPA 8260	trans-1,2-Dichloroethene	142	ug/L	25.0	04/05/19 17:52		
EPA 8260	Vinyl chloride	1480	ug/L	25.0	04/05/19 17:52		
<b>35457901007</b>	<b>INJ-23</b>						
EPA 8260	1,2-Dichloroethene (Total)	13.9 I	ug/L	25.0	04/05/19 18:16	N2	
EPA 8260	cis-1,2-Dichloroethene	9.5 I	ug/L	25.0	04/05/19 18:16		
<b>35457901008</b>	<b>INJ-24</b>						
EPA 8260	1,2-Dichloroethene (Total)	15.5 I	ug/L	25.0	04/05/19 18:40	N2	
EPA 8260	cis-1,2-Dichloroethene	7.1 I	ug/L	25.0	04/05/19 18:40		

## REPORT OF LABORATORY ANALYSIS

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## SUMMARY OF DETECTION

Project: PFIZER-CAROLINA PR  
Pace Project No.: 35457901

Lab Sample ID	Client Sample ID						
Method	Parameters	Result	Units	Report Limit	Analyzed	Qualifiers	
<b>35457901008</b>	<b>INJ-24</b>						
EPA 8260	trans-1,2-Dichloroethene	8.3 I	ug/L	25.0	04/05/19 18:40		
<b>35457901009</b>	<b>INJ-38</b>						
EPA 8260	1,2-Dichloroethene (Total)	3.9	ug/L	1.0	04/05/19 13:38	N2	
EPA 8260	cis-1,2-Dichloroethene	1.8	ug/L	1.0	04/05/19 13:38		
EPA 8260	trans-1,2-Dichloroethene	2.1	ug/L	1.0	04/05/19 13:38		
EPA 8260	Trichloroethene	0.57 I	ug/L	1.0	04/05/19 13:38		
EPA 8260	Vinyl chloride	2.9	ug/L	1.0	04/05/19 13:38		
<b>35457901010</b>	<b>MW-20S</b>						
EPA 8260	Chloroethane	18.2	ug/L	10.0	04/05/19 14:10	IH	
EPA 8260	1,2-Dichloroethene (Total)	621	ug/L	10.0	04/09/19 19:11	N2	
EPA 8260	1,1-Dichloroethene	3.2	ug/L	1.0	04/05/19 14:10		
EPA 8260	cis-1,2-Dichloroethene	474	ug/L	10.0	04/09/19 19:11		
EPA 8260	trans-1,2-Dichloroethene	147	ug/L	1.0	04/05/19 14:10		
EPA 8260	Trichloroethene	37.5	ug/L	1.0	04/05/19 14:10		
EPA 8260	Vinyl chloride	192	ug/L	1.0	04/05/19 14:10		
<b>35457901011</b>	<b>MW-17S</b>						
EPA 8260	1,2-Dichloroethene (Total)	10.2	ug/L	1.0	04/08/19 01:31	N2	
EPA 8260	cis-1,2-Dichloroethene	5.5	ug/L	1.0	04/08/19 01:31		
EPA 8260	trans-1,2-Dichloroethene	4.7	ug/L	1.0	04/08/19 01:31		
EPA 8260	Trichloroethene	0.48 I	ug/L	1.0	04/08/19 01:31		
EPA 8260	Vinyl chloride	7.0	ug/L	1.0	04/08/19 01:31		
<b>35457901012</b>	<b>MW-18S</b>						
EPA 8260	1,2-Dichloroethene (Total)	6.5	ug/L	1.0	04/05/19 14:38	N2	
EPA 8260	cis-1,2-Dichloroethene	2.0	ug/L	1.0	04/05/19 14:38		
EPA 8260	trans-1,2-Dichloroethene	4.5	ug/L	1.0	04/05/19 14:38		
EPA 8260	Vinyl chloride	4.3	ug/L	1.0	04/05/19 14:38		

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## ANALYTICAL RESULTS

Project: PFIZER-CAROLINA PR  
Pace Project No.: 35457901

Sample: MW-7S	Lab ID: 35457901001	Collected: 03/25/19 16:45	Received: 03/28/19 16:00	Matrix: Water					
Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>	Analytical Method: EPA 8260								
Bromodichloromethane	<b>0.95 U</b>	ug/L	3.0	0.95	5		04/05/19 15:51	75-27-4	
Bromoform	<b>13.2 U</b>	ug/L	15.0	13.2	5		04/05/19 15:51	75-25-2	J
Bromomethane	<b>20.0 U</b>	ug/L	25.0	20.0	5		04/05/19 15:51	74-83-9	J
Carbon tetrachloride	<b>5.7 U</b>	ug/L	15.0	5.7	5		04/05/19 15:51	56-23-5	
Chlorobenzene	<b>1.8 U</b>	ug/L	5.0	1.8	5		04/05/19 15:51	108-90-7	
Chloroethane	<b>18.6 U</b>	ug/L	50.0	18.6	5		04/05/19 15:51	75-00-3	
2-Chloroethylvinyl ether	<b>7.2 U</b>	ug/L	200	7.2	5		04/05/19 15:51	110-75-8	c2
Chloroform	<b>1.6 U</b>	ug/L	5.0	1.6	5		04/05/19 15:51	67-66-3	
Chloromethane	<b>4.8 U</b>	ug/L	5.0	4.8	5		04/05/19 15:51	74-87-3	
Dibromochloromethane	<b>2.2 U</b>	ug/L	10.0	2.2	5		04/05/19 15:51	124-48-1	
1,2-Dichlorobenzene	<b>1.4 U</b>	ug/L	5.0	1.4	5		04/05/19 15:51	95-50-1	
1,3-Dichlorobenzene	<b>1.6 U</b>	ug/L	5.0	1.6	5		04/05/19 15:51	541-73-1	
1,4-Dichlorobenzene	<b>1.4 U</b>	ug/L	5.0	1.4	5		04/05/19 15:51	106-46-7	
Dichlorodifluoromethane	<b>1.3 U</b>	ug/L	5.0	1.3	5		04/05/19 15:51	75-71-8	
1,1-Dichloroethane	<b>1.7 U</b>	ug/L	5.0	1.7	5		04/05/19 15:51	75-34-3	
1,2-Dichloroethane	<b>1.4 U</b>	ug/L	5.0	1.4	5		04/05/19 15:51	107-06-2	
1,2-Dichloroethene (Total)	<b>518</b>	ug/L	5.0	1.4	5		04/05/19 15:51	540-59-0	N2
1,1-Dichloroethene	<b>1.4 U</b>	ug/L	5.0	1.4	5		04/05/19 15:51	75-35-4	
cis-1,2-Dichloroethene	<b>408</b>	ug/L	5.0	1.4	5		04/05/19 15:51	156-59-2	
trans-1,2-Dichloroethene	<b>109</b>	ug/L	5.0	1.2	5		04/05/19 15:51	156-60-5	
1,2-Dichloropropane	<b>1.2 U</b>	ug/L	5.0	1.2	5		04/05/19 15:51	78-87-5	
cis-1,3-Dichloropropene	<b>0.85 U</b>	ug/L	2.5	0.85	5		04/05/19 15:51	10061-01-5	
trans-1,3-Dichloropropene	<b>0.85 U</b>	ug/L	2.5	0.85	5		04/05/19 15:51	10061-02-6	
Methylene Chloride	<b>9.9 U</b>	ug/L	25.0	9.9	5		04/05/19 15:51	75-09-2	
1,1,2,2-Tetrachloroethane	<b>1.0 U</b>	ug/L	2.5	1.0	5		04/05/19 15:51	79-34-5	
Tetrachloroethene	<b>1.9 U</b>	ug/L	5.0	1.9	5		04/05/19 15:51	127-18-4	
1,1,1-Trichloroethane	<b>1.5 U</b>	ug/L	5.0	1.5	5		04/05/19 15:51	71-55-6	
1,1,2-Trichloroethane	<b>1.5 U</b>	ug/L	5.0	1.5	5		04/05/19 15:51	79-00-5	
Trichloroethene	<b>1.8 U</b>	ug/L	5.0	1.8	5		04/05/19 15:51	79-01-6	
Trichlorofluoromethane	<b>1.8 U</b>	ug/L	5.0	1.8	5		04/05/19 15:51	75-69-4	
Vinyl chloride	<b>236</b>	ug/L	5.0	2.0	5		04/05/19 15:51	75-01-4	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	97	%	70-130		5		04/05/19 15:51	460-00-4	
1,2-Dichloroethane-d4 (S)	121	%	70-130		5		04/05/19 15:51	17060-07-0	
Toluene-d8 (S)	100	%	70-130		5		04/05/19 15:51	2037-26-5	

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## ANALYTICAL RESULTS

Project: PFIZER-CAROLINA PR  
Pace Project No.: 35457901

Sample: MW-21S	Lab ID: 35457901002	Collected: 03/26/19 09:20	Received: 03/28/19 16:00	Matrix: Water					
Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>	Analytical Method: EPA 8260								
Bromodichloromethane	<b>0.95 U</b>	ug/L	3.0	0.95	5		04/05/19 16:15	75-27-4	
Bromoform	<b>13.2 U</b>	ug/L	15.0	13.2	5		04/05/19 16:15	75-25-2	J
Bromomethane	<b>20.0 U</b>	ug/L	25.0	20.0	5		04/05/19 16:15	74-83-9	J
Carbon tetrachloride	<b>5.7 U</b>	ug/L	15.0	5.7	5		04/05/19 16:15	56-23-5	
Chlorobenzene	<b>1.8 U</b>	ug/L	5.0	1.8	5		04/05/19 16:15	108-90-7	
Chloroethane	<b>18.6 U</b>	ug/L	50.0	18.6	5		04/05/19 16:15	75-00-3	
2-Chloroethylvinyl ether	<b>7.2 U</b>	ug/L	200	7.2	5		04/05/19 16:15	110-75-8	c2
Chloroform	<b>1.6 U</b>	ug/L	5.0	1.6	5		04/05/19 16:15	67-66-3	
Chloromethane	<b>4.8 U</b>	ug/L	5.0	4.8	5		04/05/19 16:15	74-87-3	
Dibromochloromethane	<b>2.2 U</b>	ug/L	10.0	2.2	5		04/05/19 16:15	124-48-1	
1,2-Dichlorobenzene	<b>1.4 U</b>	ug/L	5.0	1.4	5		04/05/19 16:15	95-50-1	
1,3-Dichlorobenzene	<b>1.6 U</b>	ug/L	5.0	1.6	5		04/05/19 16:15	541-73-1	
1,4-Dichlorobenzene	<b>1.4 U</b>	ug/L	5.0	1.4	5		04/05/19 16:15	106-46-7	
Dichlorodifluoromethane	<b>1.3 U</b>	ug/L	5.0	1.3	5		04/05/19 16:15	75-71-8	
1,1-Dichloroethane	<b>1.7 U</b>	ug/L	5.0	1.7	5		04/05/19 16:15	75-34-3	
1,2-Dichloroethane	<b>1.4 U</b>	ug/L	5.0	1.4	5		04/05/19 16:15	107-06-2	
1,2-Dichloroethene (Total)	<b>712</b>	ug/L	5.0	1.4	5		04/05/19 16:15	540-59-0	N2
1,1-Dichloroethene	<b>2.1 I</b>	ug/L	5.0	1.4	5		04/05/19 16:15	75-35-4	
cis-1,2-Dichloroethene	<b>591</b>	ug/L	5.0	1.4	5		04/05/19 16:15	156-59-2	
trans-1,2-Dichloroethene	<b>120</b>	ug/L	5.0	1.2	5		04/05/19 16:15	156-60-5	
1,2-Dichloropropane	<b>1.2 U</b>	ug/L	5.0	1.2	5		04/05/19 16:15	78-87-5	
cis-1,3-Dichloropropene	<b>0.85 U</b>	ug/L	2.5	0.85	5		04/05/19 16:15	10061-01-5	
trans-1,3-Dichloropropene	<b>0.85 U</b>	ug/L	2.5	0.85	5		04/05/19 16:15	10061-02-6	
Methylene Chloride	<b>9.9 U</b>	ug/L	25.0	9.9	5		04/05/19 16:15	75-09-2	
1,1,2,2-Tetrachloroethane	<b>1.0 U</b>	ug/L	2.5	1.0	5		04/05/19 16:15	79-34-5	
Tetrachloroethene	<b>1.9 U</b>	ug/L	5.0	1.9	5		04/05/19 16:15	127-18-4	
1,1,1-Trichloroethane	<b>1.5 U</b>	ug/L	5.0	1.5	5		04/05/19 16:15	71-55-6	
1,1,2-Trichloroethane	<b>1.5 U</b>	ug/L	5.0	1.5	5		04/05/19 16:15	79-00-5	
Trichloroethene	<b>9.2</b>	ug/L	5.0	1.8	5		04/05/19 16:15	79-01-6	
Trichlorofluoromethane	<b>1.8 U</b>	ug/L	5.0	1.8	5		04/05/19 16:15	75-69-4	
Vinyl chloride	<b>266</b>	ug/L	5.0	2.0	5		04/05/19 16:15	75-01-4	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	90	%	70-130		5		04/05/19 16:15	460-00-4	
1,2-Dichloroethane-d4 (S)	106	%	70-130		5		04/05/19 16:15	17060-07-0	
Toluene-d8 (S)	69	%	70-130		5		04/05/19 16:15	2037-26-5	J(S0)

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## ANALYTICAL RESULTS

Project: PFIZER-CAROLINA PR  
Pace Project No.: 35457901

Sample: MW-2S	Lab ID: 35457901003	Collected: 03/26/19 10:50	Received: 03/28/19 16:00	Matrix: Water					
Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>	Analytical Method: EPA 8260								
Bromodichloromethane	1.9 U	ug/L	6.0	1.9	10		04/05/19 16:39	75-27-4	
Bromoform	26.5 U	ug/L	30.0	26.5	10		04/05/19 16:39	75-25-2	J
Bromomethane	40.0 U	ug/L	50.0	40.0	10		04/05/19 16:39	74-83-9	J
Carbon tetrachloride	11.4 U	ug/L	30.0	11.4	10		04/05/19 16:39	56-23-5	
Chlorobenzene	3.5 U	ug/L	10.0	3.5	10		04/05/19 16:39	108-90-7	
Chloroethane	37.3 U	ug/L	100	37.3	10		04/05/19 16:39	75-00-3	
2-Chloroethylvinyl ether	14.5 U	ug/L	400	14.5	10		04/05/19 16:39	110-75-8	c2
Chloroform	3.2 U	ug/L	10.0	3.2	10		04/05/19 16:39	67-66-3	
Chloromethane	9.7 U	ug/L	10.0	9.7	10		04/05/19 16:39	74-87-3	
Dibromochloromethane	4.5 U	ug/L	20.0	4.5	10		04/05/19 16:39	124-48-1	
1,2-Dichlorobenzene	2.9 U	ug/L	10.0	2.9	10		04/05/19 16:39	95-50-1	
1,3-Dichlorobenzene	3.3 U	ug/L	10.0	3.3	10		04/05/19 16:39	541-73-1	
1,4-Dichlorobenzene	2.8 U	ug/L	10.0	2.8	10		04/05/19 16:39	106-46-7	
Dichlorodifluoromethane	2.6 U	ug/L	10.0	2.6	10		04/05/19 16:39	75-71-8	
1,1-Dichloroethane	3.4 U	ug/L	10.0	3.4	10		04/05/19 16:39	75-34-3	
1,2-Dichloroethane	2.7 U	ug/L	10.0	2.7	10		04/05/19 16:39	107-06-2	
1,2-Dichloroethene (Total)	1190	ug/L	10.0	2.7	10		04/05/19 16:39	540-59-0	N2
1,1-Dichloroethene	3.6 I	ug/L	10.0	2.7	10		04/05/19 16:39	75-35-4	
cis-1,2-Dichloroethene	975	ug/L	10.0	2.7	10		04/05/19 16:39	156-59-2	
trans-1,2-Dichloroethene	216	ug/L	10.0	2.3	10		04/05/19 16:39	156-60-5	
1,2-Dichloropropane	2.3 U	ug/L	10.0	2.3	10		04/05/19 16:39	78-87-5	
cis-1,3-Dichloropropene	1.7 U	ug/L	5.0	1.7	10		04/05/19 16:39	10061-01-5	
trans-1,3-Dichloropropene	1.7 U	ug/L	5.0	1.7	10		04/05/19 16:39	10061-02-6	
Methylene Chloride	19.8 U	ug/L	50.0	19.8	10		04/05/19 16:39	75-09-2	
1,1,2,2-Tetrachloroethane	2.0 U	ug/L	5.0	2.0	10		04/05/19 16:39	79-34-5	
Tetrachloroethene	3.8 U	ug/L	10.0	3.8	10		04/05/19 16:39	127-18-4	
1,1,1-Trichloroethane	3.0 U	ug/L	10.0	3.0	10		04/05/19 16:39	71-55-6	
1,1,2-Trichloroethane	3.0 U	ug/L	10.0	3.0	10		04/05/19 16:39	79-00-5	
Trichloroethene	9.9 I	ug/L	10.0	3.6	10		04/05/19 16:39	79-01-6	
Trichlorofluoromethane	3.5 U	ug/L	10.0	3.5	10		04/05/19 16:39	75-69-4	
Vinyl chloride	274	ug/L	10.0	3.9	10		04/05/19 16:39	75-01-4	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	90	%	70-130		10		04/05/19 16:39	460-00-4	
1,2-Dichloroethane-d4 (S)	106	%	70-130		10		04/05/19 16:39	17060-07-0	
Toluene-d8 (S)	98	%	70-130		10		04/05/19 16:39	2037-26-5	

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## ANALYTICAL RESULTS

Project: PFIZER-CAROLINA PR  
Pace Project No.: 35457901

Sample: MW-2D	Lab ID: 35457901004	Collected: 03/26/19 12:05	Received: 03/28/19 16:00	Matrix: Water					
Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>	Analytical Method: EPA 8260								
Bromodichloromethane	1.9 U	ug/L	6.0	1.9	10		04/05/19 17:03	75-27-4	
Bromoform	26.5 U	ug/L	30.0	26.5	10		04/05/19 17:03	75-25-2	J
Bromomethane	40.0 U	ug/L	50.0	40.0	10		04/05/19 17:03	74-83-9	J
Carbon tetrachloride	11.4 U	ug/L	30.0	11.4	10		04/05/19 17:03	56-23-5	
Chlorobenzene	3.5 U	ug/L	10.0	3.5	10		04/05/19 17:03	108-90-7	
Chloroethane	37.3 U	ug/L	100	37.3	10		04/05/19 17:03	75-00-3	
2-Chloroethylvinyl ether	14.5 U	ug/L	400	14.5	10		04/05/19 17:03	110-75-8	c2
Chloroform	3.2 U	ug/L	10.0	3.2	10		04/05/19 17:03	67-66-3	
Chloromethane	9.7 U	ug/L	10.0	9.7	10		04/05/19 17:03	74-87-3	
Dibromochloromethane	4.5 U	ug/L	20.0	4.5	10		04/05/19 17:03	124-48-1	
1,2-Dichlorobenzene	2.9 U	ug/L	10.0	2.9	10		04/05/19 17:03	95-50-1	
1,3-Dichlorobenzene	3.3 U	ug/L	10.0	3.3	10		04/05/19 17:03	541-73-1	
1,4-Dichlorobenzene	2.8 U	ug/L	10.0	2.8	10		04/05/19 17:03	106-46-7	
Dichlorodifluoromethane	2.6 U	ug/L	10.0	2.6	10		04/05/19 17:03	75-71-8	
1,1-Dichloroethane	3.4 U	ug/L	10.0	3.4	10		04/05/19 17:03	75-34-3	
1,2-Dichloroethane	2.7 U	ug/L	10.0	2.7	10		04/05/19 17:03	107-06-2	
1,2-Dichloroethene (Total)	785	ug/L	10.0	2.7	10		04/05/19 17:03	540-59-0	N2
1,1-Dichloroethene	4.5 I	ug/L	10.0	2.7	10		04/05/19 17:03	75-35-4	
cis-1,2-Dichloroethene	749	ug/L	10.0	2.7	10		04/05/19 17:03	156-59-2	
trans-1,2-Dichloroethene	36.3	ug/L	10.0	2.3	10		04/05/19 17:03	156-60-5	
1,2-Dichloropropane	2.3 U	ug/L	10.0	2.3	10		04/05/19 17:03	78-87-5	
cis-1,3-Dichloropropene	1.7 U	ug/L	5.0	1.7	10		04/05/19 17:03	10061-01-5	
trans-1,3-Dichloropropene	1.7 U	ug/L	5.0	1.7	10		04/05/19 17:03	10061-02-6	
Methylene Chloride	19.8 U	ug/L	50.0	19.8	10		04/05/19 17:03	75-09-2	
1,1,2,2-Tetrachloroethane	2.0 U	ug/L	5.0	2.0	10		04/05/19 17:03	79-34-5	
Tetrachloroethene	3.8 U	ug/L	10.0	3.8	10		04/05/19 17:03	127-18-4	
1,1,1-Trichloroethane	3.0 U	ug/L	10.0	3.0	10		04/05/19 17:03	71-55-6	
1,1,2-Trichloroethane	3.0 U	ug/L	10.0	3.0	10		04/05/19 17:03	79-00-5	
Trichloroethene	170	ug/L	10.0	3.6	10		04/05/19 17:03	79-01-6	
Trichlorofluoromethane	3.5 U	ug/L	10.0	3.5	10		04/05/19 17:03	75-69-4	
Vinyl chloride	87.0	ug/L	10.0	3.9	10		04/05/19 17:03	75-01-4	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	91	%	70-130		10		04/05/19 17:03	460-00-4	
1,2-Dichloroethane-d4 (S)	107	%	70-130		10		04/05/19 17:03	17060-07-0	
Toluene-d8 (S)	74	%	70-130		10		04/05/19 17:03	2037-26-5	

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## ANALYTICAL RESULTS

Project: PFIZER-CAROLINA PR  
Pace Project No.: 35457901

Sample: MW-16S	Lab ID: 35457901005	Collected: 03/26/19 14:20	Received: 03/28/19 16:00	Matrix: Water					
Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>	Analytical Method: EPA 8260								
Bromodichloromethane	1.9 U	ug/L	6.0	1.9	10		04/05/19 17:28	75-27-4	
Bromoform	26.5 U	ug/L	30.0	26.5	10		04/05/19 17:28	75-25-2	J
Bromomethane	40.0 U	ug/L	50.0	40.0	10		04/05/19 17:28	74-83-9	J
Carbon tetrachloride	11.4 U	ug/L	30.0	11.4	10		04/05/19 17:28	56-23-5	
Chlorobenzene	3.5 U	ug/L	10.0	3.5	10		04/05/19 17:28	108-90-7	
Chloroethane	37.3 U	ug/L	100	37.3	10		04/05/19 17:28	75-00-3	
2-Chloroethylvinyl ether	14.5 U	ug/L	400	14.5	10		04/05/19 17:28	110-75-8	c2
Chloroform	3.2 U	ug/L	10.0	3.2	10		04/05/19 17:28	67-66-3	
Chloromethane	9.7 U	ug/L	10.0	9.7	10		04/05/19 17:28	74-87-3	
Dibromochloromethane	4.5 U	ug/L	20.0	4.5	10		04/05/19 17:28	124-48-1	
1,2-Dichlorobenzene	2.9 U	ug/L	10.0	2.9	10		04/05/19 17:28	95-50-1	
1,3-Dichlorobenzene	3.3 U	ug/L	10.0	3.3	10		04/05/19 17:28	541-73-1	
1,4-Dichlorobenzene	2.8 U	ug/L	10.0	2.8	10		04/05/19 17:28	106-46-7	
Dichlorodifluoromethane	2.6 U	ug/L	10.0	2.6	10		04/05/19 17:28	75-71-8	
1,1-Dichloroethane	3.4 U	ug/L	10.0	3.4	10		04/05/19 17:28	75-34-3	
1,2-Dichloroethane	2.7 U	ug/L	10.0	2.7	10		04/05/19 17:28	107-06-2	
1,2-Dichloroethene (Total)	929	ug/L	10.0	2.7	10		04/05/19 17:28	540-59-0	N2
1,1-Dichloroethene	3.1 I	ug/L	10.0	2.7	10		04/05/19 17:28	75-35-4	
cis-1,2-Dichloroethene	607	ug/L	10.0	2.7	10		04/05/19 17:28	156-59-2	
trans-1,2-Dichloroethene	322	ug/L	10.0	2.3	10		04/05/19 17:28	156-60-5	
1,2-Dichloropropane	2.3 U	ug/L	10.0	2.3	10		04/05/19 17:28	78-87-5	
cis-1,3-Dichloropropene	1.7 U	ug/L	5.0	1.7	10		04/05/19 17:28	10061-01-5	
trans-1,3-Dichloropropene	1.7 U	ug/L	5.0	1.7	10		04/05/19 17:28	10061-02-6	
Methylene Chloride	19.8 U	ug/L	50.0	19.8	10		04/05/19 17:28	75-09-2	
1,1,2,2-Tetrachloroethane	2.0 U	ug/L	5.0	2.0	10		04/05/19 17:28	79-34-5	
Tetrachloroethene	3.8 U	ug/L	10.0	3.8	10		04/05/19 17:28	127-18-4	
1,1,1-Trichloroethane	3.0 U	ug/L	10.0	3.0	10		04/05/19 17:28	71-55-6	
1,1,2-Trichloroethane	3.0 U	ug/L	10.0	3.0	10		04/05/19 17:28	79-00-5	
Trichloroethene	9.1 I	ug/L	10.0	3.6	10		04/05/19 17:28	79-01-6	
Trichlorofluoromethane	3.5 U	ug/L	10.0	3.5	10		04/05/19 17:28	75-69-4	
Vinyl chloride	1470	ug/L	10.0	3.9	10		04/05/19 17:28	75-01-4	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	96	%	70-130		10		04/05/19 17:28	460-00-4	
1,2-Dichloroethane-d4 (S)	107	%	70-130		10		04/05/19 17:28	17060-07-0	
Toluene-d8 (S)	79	%	70-130		10		04/05/19 17:28	2037-26-5	

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## ANALYTICAL RESULTS

Project: PFIZER-CAROLINA PR  
Pace Project No.: 35457901

Sample: INJ-6	Lab ID: 35457901006	Collected: 03/27/19 10:00	Received: 03/28/19 16:00	Matrix: Water					
Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>	Analytical Method: EPA 8260								
Bromodichloromethane	4.8 U	ug/L	15.0	4.8	25		04/05/19 17:52	75-27-4	
Bromoform	66.2 U	ug/L	75.0	66.2	25		04/05/19 17:52	75-25-2	J
Bromomethane	100 U	ug/L	125	100	25		04/05/19 17:52	74-83-9	J
Carbon tetrachloride	28.5 U	ug/L	75.0	28.5	25		04/05/19 17:52	56-23-5	
Chlorobenzene	8.8 U	ug/L	25.0	8.8	25		04/05/19 17:52	108-90-7	
Chloroethane	93.2 U	ug/L	250	93.2	25		04/05/19 17:52	75-00-3	
2-Chloroethylvinyl ether	36.2 U	ug/L	1000	36.2	25		04/05/19 17:52	110-75-8	c2
Chloroform	8.0 U	ug/L	25.0	8.0	25		04/05/19 17:52	67-66-3	
Chloromethane	24.2 U	ug/L	25.0	24.2	25		04/05/19 17:52	74-87-3	
Dibromochloromethane	11.2 U	ug/L	50.0	11.2	25		04/05/19 17:52	124-48-1	
1,2-Dichlorobenzene	7.2 U	ug/L	25.0	7.2	25		04/05/19 17:52	95-50-1	
1,3-Dichlorobenzene	8.2 U	ug/L	25.0	8.2	25		04/05/19 17:52	541-73-1	
1,4-Dichlorobenzene	7.0 U	ug/L	25.0	7.0	25		04/05/19 17:52	106-46-7	
Dichlorodifluoromethane	6.5 U	ug/L	25.0	6.5	25		04/05/19 17:52	75-71-8	
1,1-Dichloroethane	8.5 U	ug/L	25.0	8.5	25		04/05/19 17:52	75-34-3	
1,2-Dichloroethane	6.8 U	ug/L	25.0	6.8	25		04/05/19 17:52	107-06-2	
1,2-Dichloroethene (Total)	314	ug/L	25.0	6.8	25		04/05/19 17:52	540-59-0	N2
1,1-Dichloroethene	6.8 U	ug/L	25.0	6.8	25		04/05/19 17:52	75-35-4	
cis-1,2-Dichloroethene	172	ug/L	25.0	6.8	25		04/05/19 17:52	156-59-2	
trans-1,2-Dichloroethene	142	ug/L	25.0	5.8	25		04/05/19 17:52	156-60-5	
1,2-Dichloropropane	5.8 U	ug/L	25.0	5.8	25		04/05/19 17:52	78-87-5	
cis-1,3-Dichloropropene	4.2 U	ug/L	12.5	4.2	25		04/05/19 17:52	10061-01-5	
trans-1,3-Dichloropropene	4.2 U	ug/L	12.5	4.2	25		04/05/19 17:52	10061-02-6	
Methylene Chloride	49.5 U	ug/L	125	49.5	25		04/05/19 17:52	75-09-2	
1,1,2,2-Tetrachloroethane	5.0 U	ug/L	12.5	5.0	25		04/05/19 17:52	79-34-5	
Tetrachloroethene	9.5 U	ug/L	25.0	9.5	25		04/05/19 17:52	127-18-4	
1,1,1-Trichloroethane	7.5 U	ug/L	25.0	7.5	25		04/05/19 17:52	71-55-6	
1,1,2-Trichloroethane	7.5 U	ug/L	25.0	7.5	25		04/05/19 17:52	79-00-5	
Trichloroethene	9.0 U	ug/L	25.0	9.0	25		04/05/19 17:52	79-01-6	
Trichlorofluoromethane	8.8 U	ug/L	25.0	8.8	25		04/05/19 17:52	75-69-4	
Vinyl chloride	1480	ug/L	25.0	9.8	25		04/05/19 17:52	75-01-4	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	95	%	70-130		25		04/05/19 17:52	460-00-4	
1,2-Dichloroethane-d4 (S)	107	%	70-130		25		04/05/19 17:52	17060-07-0	
Toluene-d8 (S)	104	%	70-130		25		04/05/19 17:52	2037-26-5	

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## ANALYTICAL RESULTS

Project: PFIZER-CAROLINA PR  
Pace Project No.: 35457901

Sample: INJ-23	Lab ID: 35457901007	Collected: 03/27/19 12:00	Received: 03/28/19 16:00	Matrix: Water					
Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>	Analytical Method: EPA 8260								
Bromodichloromethane	4.8 U	ug/L	15.0	4.8	25		04/05/19 18:16	75-27-4	
Bromoform	66.2 U	ug/L	75.0	66.2	25		04/05/19 18:16	75-25-2	J
Bromomethane	100 U	ug/L	125	100	25		04/05/19 18:16	74-83-9	J
Carbon tetrachloride	28.5 U	ug/L	75.0	28.5	25		04/05/19 18:16	56-23-5	
Chlorobenzene	8.8 U	ug/L	25.0	8.8	25		04/05/19 18:16	108-90-7	
Chloroethane	93.2 U	ug/L	250	93.2	25		04/05/19 18:16	75-00-3	
2-Chloroethylvinyl ether	36.2 U	ug/L	1000	36.2	25		04/05/19 18:16	110-75-8	c2
Chloroform	8.0 U	ug/L	25.0	8.0	25		04/05/19 18:16	67-66-3	
Chloromethane	24.2 U	ug/L	25.0	24.2	25		04/05/19 18:16	74-87-3	
Dibromochloromethane	11.2 U	ug/L	50.0	11.2	25		04/05/19 18:16	124-48-1	
1,2-Dichlorobenzene	7.2 U	ug/L	25.0	7.2	25		04/05/19 18:16	95-50-1	
1,3-Dichlorobenzene	8.2 U	ug/L	25.0	8.2	25		04/05/19 18:16	541-73-1	
1,4-Dichlorobenzene	7.0 U	ug/L	25.0	7.0	25		04/05/19 18:16	106-46-7	
Dichlorodifluoromethane	6.5 U	ug/L	25.0	6.5	25		04/05/19 18:16	75-71-8	
1,1-Dichloroethane	8.5 U	ug/L	25.0	8.5	25		04/05/19 18:16	75-34-3	
1,2-Dichloroethane	6.8 U	ug/L	25.0	6.8	25		04/05/19 18:16	107-06-2	
1,2-Dichloroethene (Total)	13.9 I	ug/L	25.0	6.8	25		04/05/19 18:16	540-59-0	N2
1,1-Dichloroethene	6.8 U	ug/L	25.0	6.8	25		04/05/19 18:16	75-35-4	
cis-1,2-Dichloroethene	9.5 I	ug/L	25.0	6.8	25		04/05/19 18:16	156-59-2	
trans-1,2-Dichloroethene	5.8 U	ug/L	25.0	5.8	25		04/05/19 18:16	156-60-5	
1,2-Dichloropropane	5.8 U	ug/L	25.0	5.8	25		04/05/19 18:16	78-87-5	
cis-1,3-Dichloropropene	4.2 U	ug/L	12.5	4.2	25		04/05/19 18:16	10061-01-5	
trans-1,3-Dichloropropene	4.2 U	ug/L	12.5	4.2	25		04/05/19 18:16	10061-02-6	
Methylene Chloride	49.5 U	ug/L	125	49.5	25		04/05/19 18:16	75-09-2	
1,1,2,2-Tetrachloroethane	5.0 U	ug/L	12.5	5.0	25		04/05/19 18:16	79-34-5	
Tetrachloroethene	9.5 U	ug/L	25.0	9.5	25		04/05/19 18:16	127-18-4	
1,1,1-Trichloroethane	7.5 U	ug/L	25.0	7.5	25		04/05/19 18:16	71-55-6	
1,1,2-Trichloroethane	7.5 U	ug/L	25.0	7.5	25		04/05/19 18:16	79-00-5	
Trichloroethene	9.0 U	ug/L	25.0	9.0	25		04/05/19 18:16	79-01-6	
Trichlorofluoromethane	8.8 U	ug/L	25.0	8.8	25		04/05/19 18:16	75-69-4	
Vinyl chloride	9.8 U	ug/L	25.0	9.8	25		04/05/19 18:16	75-01-4	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	90	%	70-130		25		04/05/19 18:16	460-00-4	
1,2-Dichloroethane-d4 (S)	107	%	70-130		25		04/05/19 18:16	17060-07-0	
Toluene-d8 (S)	80	%	70-130		25		04/05/19 18:16	2037-26-5	

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## ANALYTICAL RESULTS

Project: PFIZER-CAROLINA PR  
Pace Project No.: 35457901

Sample: INJ-24	Lab ID: 35457901008	Collected: 03/27/19 14:45	Received: 03/28/19 16:00	Matrix: Water					
Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>	Analytical Method: EPA 8260								
Bromodichloromethane	4.8 U	ug/L	15.0	4.8	25		04/05/19 18:40	75-27-4	
Bromoform	66.2 U	ug/L	75.0	66.2	25		04/05/19 18:40	75-25-2	J
Bromomethane	100 U	ug/L	125	100	25		04/05/19 18:40	74-83-9	J
Carbon tetrachloride	28.5 U	ug/L	75.0	28.5	25		04/05/19 18:40	56-23-5	
Chlorobenzene	8.8 U	ug/L	25.0	8.8	25		04/05/19 18:40	108-90-7	
Chloroethane	93.2 U	ug/L	250	93.2	25		04/05/19 18:40	75-00-3	
2-Chloroethylvinyl ether	36.2 U	ug/L	1000	36.2	25		04/05/19 18:40	110-75-8	c2
Chloroform	8.0 U	ug/L	25.0	8.0	25		04/05/19 18:40	67-66-3	
Chloromethane	24.2 U	ug/L	25.0	24.2	25		04/05/19 18:40	74-87-3	
Dibromochloromethane	11.2 U	ug/L	50.0	11.2	25		04/05/19 18:40	124-48-1	
1,2-Dichlorobenzene	7.2 U	ug/L	25.0	7.2	25		04/05/19 18:40	95-50-1	
1,3-Dichlorobenzene	8.2 U	ug/L	25.0	8.2	25		04/05/19 18:40	541-73-1	
1,4-Dichlorobenzene	7.0 U	ug/L	25.0	7.0	25		04/05/19 18:40	106-46-7	
Dichlorodifluoromethane	6.5 U	ug/L	25.0	6.5	25		04/05/19 18:40	75-71-8	
1,1-Dichloroethane	8.5 U	ug/L	25.0	8.5	25		04/05/19 18:40	75-34-3	
1,2-Dichloroethane	6.8 U	ug/L	25.0	6.8	25		04/05/19 18:40	107-06-2	
1,2-Dichloroethene (Total)	15.5 I	ug/L	25.0	6.8	25		04/05/19 18:40	540-59-0	N2
1,1-Dichloroethene	6.8 U	ug/L	25.0	6.8	25		04/05/19 18:40	75-35-4	
cis-1,2-Dichloroethene	7.1 I	ug/L	25.0	6.8	25		04/05/19 18:40	156-59-2	
trans-1,2-Dichloroethene	8.3 I	ug/L	25.0	5.8	25		04/05/19 18:40	156-60-5	
1,2-Dichloropropane	5.8 U	ug/L	25.0	5.8	25		04/05/19 18:40	78-87-5	
cis-1,3-Dichloropropene	4.2 U	ug/L	12.5	4.2	25		04/05/19 18:40	10061-01-5	
trans-1,3-Dichloropropene	4.2 U	ug/L	12.5	4.2	25		04/05/19 18:40	10061-02-6	
Methylene Chloride	49.5 U	ug/L	125	49.5	25		04/05/19 18:40	75-09-2	
1,1,2,2-Tetrachloroethane	5.0 U	ug/L	12.5	5.0	25		04/05/19 18:40	79-34-5	
Tetrachloroethene	9.5 U	ug/L	25.0	9.5	25		04/05/19 18:40	127-18-4	
1,1,1-Trichloroethane	7.5 U	ug/L	25.0	7.5	25		04/05/19 18:40	71-55-6	
1,1,2-Trichloroethane	7.5 U	ug/L	25.0	7.5	25		04/05/19 18:40	79-00-5	
Trichloroethene	9.0 U	ug/L	25.0	9.0	25		04/05/19 18:40	79-01-6	
Trichlorofluoromethane	8.8 U	ug/L	25.0	8.8	25		04/05/19 18:40	75-69-4	
Vinyl chloride	9.8 U	ug/L	25.0	9.8	25		04/05/19 18:40	75-01-4	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	85	%	70-130		25		04/05/19 18:40	460-00-4	
1,2-Dichloroethane-d4 (S)	107	%	70-130		25		04/05/19 18:40	17060-07-0	
Toluene-d8 (S)	81	%	70-130		25		04/05/19 18:40	2037-26-5	

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## ANALYTICAL RESULTS

Project: PFIZER-CAROLINA PR  
Pace Project No.: 35457901

Sample: INJ-38      Lab ID: 35457901009      Collected: 03/27/19 16:10      Received: 03/28/19 16:00      Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>	Analytical Method: EPA 8260								
Bromodichloromethane	<b>0.19 U</b>	ug/L	0.60	0.19	1		04/05/19 13:38	75-27-4	
Bromoform	<b>2.6 U</b>	ug/L	3.0	2.6	1		04/05/19 13:38	75-25-2	J
Bromomethane	<b>4.0 U</b>	ug/L	5.0	4.0	1		04/05/19 13:38	74-83-9	J
Carbon tetrachloride	<b>1.1 U</b>	ug/L	3.0	1.1	1		04/05/19 13:38	56-23-5	
Chlorobenzene	<b>0.35 U</b>	ug/L	1.0	0.35	1		04/05/19 13:38	108-90-7	
2-Chloroethylvinyl ether	<b>1.4 U</b>	ug/L	40.0	1.4	1		04/05/19 13:38	110-75-8	c2
Chloroform	<b>0.32 U</b>	ug/L	1.0	0.32	1		04/05/19 13:38	67-66-3	
Chloromethane	<b>0.97 U</b>	ug/L	1.0	0.97	1		04/05/19 13:38	74-87-3	
Dibromochloromethane	<b>0.45 U</b>	ug/L	2.0	0.45	1		04/05/19 13:38	124-48-1	
1,2-Dichlorobenzene	<b>0.29 U</b>	ug/L	1.0	0.29	1		04/05/19 13:38	95-50-1	
1,3-Dichlorobenzene	<b>0.33 U</b>	ug/L	1.0	0.33	1		04/05/19 13:38	541-73-1	
1,4-Dichlorobenzene	<b>0.28 U</b>	ug/L	1.0	0.28	1		04/05/19 13:38	106-46-7	
Dichlorodifluoromethane	<b>0.26 U</b>	ug/L	1.0	0.26	1		04/05/19 13:38	75-71-8	
1,1-Dichloroethane	<b>0.34 U</b>	ug/L	1.0	0.34	1		04/05/19 13:38	75-34-3	
1,2-Dichloroethane	<b>0.27 U</b>	ug/L	1.0	0.27	1		04/05/19 13:38	107-06-2	
1,2-Dichloroethene (Total)	<b>3.9</b>	ug/L	1.0	0.27	1		04/05/19 13:38	540-59-0	N2
1,1-Dichloroethene	<b>0.27 U</b>	ug/L	1.0	0.27	1		04/05/19 13:38	75-35-4	
cis-1,2-Dichloroethene	<b>1.8</b>	ug/L	1.0	0.27	1		04/05/19 13:38	156-59-2	
trans-1,2-Dichloroethene	<b>2.1</b>	ug/L	1.0	0.23	1		04/05/19 13:38	156-60-5	
1,2-Dichloropropane	<b>0.23 U</b>	ug/L	1.0	0.23	1		04/05/19 13:38	78-87-5	
cis-1,3-Dichloropropene	<b>0.17 U</b>	ug/L	0.50	0.17	1		04/05/19 13:38	10061-01-5	
trans-1,3-Dichloropropene	<b>0.17 U</b>	ug/L	0.50	0.17	1		04/05/19 13:38	10061-02-6	
Methylene Chloride	<b>2.0 U</b>	ug/L	5.0	2.0	1		04/05/19 13:38	75-09-2	
1,1,2,2-Tetrachloroethane	<b>0.20 U</b>	ug/L	0.50	0.20	1		04/05/19 13:38	79-34-5	
Tetrachloroethene	<b>0.38 U</b>	ug/L	1.0	0.38	1		04/05/19 13:38	127-18-4	
1,1,1-Trichloroethane	<b>0.30 U</b>	ug/L	1.0	0.30	1		04/05/19 13:38	71-55-6	
1,1,2-Trichloroethane	<b>0.30 U</b>	ug/L	1.0	0.30	1		04/05/19 13:38	79-00-5	
Trichloroethene	<b>0.57 I</b>	ug/L	1.0	0.36	1		04/05/19 13:38	79-01-6	
Trichlorofluoromethane	<b>0.35 U</b>	ug/L	1.0	0.35	1		04/05/19 13:38	75-69-4	
Vinyl chloride	<b>2.9</b>	ug/L	1.0	0.39	1		04/05/19 13:38	75-01-4	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	95	%	70-130		1		04/05/19 13:38	460-00-4	
1,2-Dichloroethane-d4 (S)	105	%	70-130		1		04/05/19 13:38	17060-07-0	
Toluene-d8 (S)	100	%	70-130		1		04/05/19 13:38	2037-26-5	

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## ANALYTICAL RESULTS

Project: PFIZER-CAROLINA PR  
Pace Project No.: 35457901

Sample: MW-20S	Lab ID: 35457901010	Collected: 03/28/19 09:45	Received: 03/28/19 16:00	Matrix: Water					
Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>	Analytical Method: EPA 8260								
Bromodichloromethane	<b>0.19 U</b>	ug/L	0.60	0.19	1		04/05/19 14:10	75-27-4	
Bromoform	<b>2.6 U</b>	ug/L	3.0	2.6	1		04/05/19 14:10	75-25-2	J
Bromomethane	<b>4.0 U</b>	ug/L	5.0	4.0	1		04/05/19 14:10	74-83-9	J
Carbon tetrachloride	<b>1.1 U</b>	ug/L	3.0	1.1	1		04/05/19 14:10	56-23-5	
Chlorobenzene	<b>0.35 U</b>	ug/L	1.0	0.35	1		04/05/19 14:10	108-90-7	
Chloroethane	<b>18.2</b>	ug/L	10.0	3.7	1		04/05/19 14:10	75-00-3	IH
2-Chloroethylvinyl ether	<b>1.4 U</b>	ug/L	40.0	1.4	1		04/05/19 14:10	110-75-8	c2
Chloroform	<b>0.32 U</b>	ug/L	1.0	0.32	1		04/05/19 14:10	67-66-3	
Chloromethane	<b>0.97 U</b>	ug/L	1.0	0.97	1		04/05/19 14:10	74-87-3	
Dibromochloromethane	<b>0.45 U</b>	ug/L	2.0	0.45	1		04/05/19 14:10	124-48-1	
1,2-Dichlorobenzene	<b>0.29 U</b>	ug/L	1.0	0.29	1		04/05/19 14:10	95-50-1	
1,3-Dichlorobenzene	<b>0.33 U</b>	ug/L	1.0	0.33	1		04/05/19 14:10	541-73-1	
1,4-Dichlorobenzene	<b>0.28 U</b>	ug/L	1.0	0.28	1		04/05/19 14:10	106-46-7	
Dichlorodifluoromethane	<b>0.26 U</b>	ug/L	1.0	0.26	1		04/05/19 14:10	75-71-8	
1,1-Dichloroethane	<b>0.34 U</b>	ug/L	1.0	0.34	1		04/05/19 14:10	75-34-3	
1,2-Dichloroethane	<b>0.27 U</b>	ug/L	1.0	0.27	1		04/05/19 14:10	107-06-2	
1,2-Dichloroethene (Total)	<b>621</b>	ug/L	10.0	2.7	10		04/09/19 19:11	540-59-0	N2
1,1-Dichloroethene	<b>3.2</b>	ug/L	1.0	0.27	1		04/05/19 14:10	75-35-4	
cis-1,2-Dichloroethene	<b>474</b>	ug/L	10.0	2.7	10		04/09/19 19:11	156-59-2	
trans-1,2-Dichloroethene	<b>147</b>	ug/L	1.0	0.23	1		04/05/19 14:10	156-60-5	
1,2-Dichloropropane	<b>0.23 U</b>	ug/L	1.0	0.23	1		04/05/19 14:10	78-87-5	
cis-1,3-Dichloropropene	<b>0.17 U</b>	ug/L	0.50	0.17	1		04/05/19 14:10	10061-01-5	
trans-1,3-Dichloropropene	<b>0.17 U</b>	ug/L	0.50	0.17	1		04/05/19 14:10	10061-02-6	
Methylene Chloride	<b>2.0 U</b>	ug/L	5.0	2.0	1		04/05/19 14:10	75-09-2	
1,1,2,2-Tetrachloroethane	<b>0.20 U</b>	ug/L	0.50	0.20	1		04/05/19 14:10	79-34-5	
Tetrachloroethene	<b>0.38 U</b>	ug/L	1.0	0.38	1		04/05/19 14:10	127-18-4	
1,1,1-Trichloroethane	<b>0.30 U</b>	ug/L	1.0	0.30	1		04/05/19 14:10	71-55-6	
1,1,2-Trichloroethane	<b>0.30 U</b>	ug/L	1.0	0.30	1		04/05/19 14:10	79-00-5	
Trichloroethene	<b>37.5</b>	ug/L	1.0	0.36	1		04/05/19 14:10	79-01-6	
Trichlorofluoromethane	<b>0.35 U</b>	ug/L	1.0	0.35	1		04/05/19 14:10	75-69-4	
Vinyl chloride	<b>192</b>	ug/L	1.0	0.39	1		04/05/19 14:10	75-01-4	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	89	%	70-130		1		04/05/19 14:10	460-00-4	
1,2-Dichloroethane-d4 (S)	109	%	70-130		1		04/05/19 14:10	17060-07-0	
Toluene-d8 (S)	105	%	70-130		1		04/05/19 14:10	2037-26-5	

## REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: PFIZER-CAROLINA PR  
Pace Project No.: 35457901

Sample: MW-17S	Lab ID: 35457901011	Collected: 03/28/19 11:15	Received: 03/28/19 16:00	Matrix: Water					
Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>	Analytical Method: EPA 8260								
Bromodichloromethane	<b>0.19 U</b>	ug/L	0.60	0.19	1		04/08/19 01:31	75-27-4	
Bromoform	<b>2.6 U</b>	ug/L	3.0	2.6	1		04/08/19 01:31	75-25-2	J
Bromomethane	<b>4.0 U</b>	ug/L	5.0	4.0	1		04/08/19 01:31	74-83-9	
Carbon tetrachloride	<b>1.1 U</b>	ug/L	3.0	1.1	1		04/08/19 01:31	56-23-5	J
Chlorobenzene	<b>0.35 U</b>	ug/L	1.0	0.35	1		04/08/19 01:31	108-90-7	
Chloroethane	<b>3.7 U</b>	ug/L	10.0	3.7	1		04/08/19 01:31	75-00-3	J
2-Chloroethylvinyl ether	<b>1.4 U</b>	ug/L	40.0	1.4	1		04/08/19 01:31	110-75-8	c2
Chloroform	<b>0.32 U</b>	ug/L	1.0	0.32	1		04/08/19 01:31	67-66-3	
Chloromethane	<b>0.97 U</b>	ug/L	1.0	0.97	1		04/08/19 01:31	74-87-3	
Dibromochloromethane	<b>0.45 U</b>	ug/L	2.0	0.45	1		04/08/19 01:31	124-48-1	J
1,2-Dichlorobenzene	<b>0.29 U</b>	ug/L	1.0	0.29	1		04/08/19 01:31	95-50-1	
1,3-Dichlorobenzene	<b>0.33 U</b>	ug/L	1.0	0.33	1		04/08/19 01:31	541-73-1	
1,4-Dichlorobenzene	<b>0.28 U</b>	ug/L	1.0	0.28	1		04/08/19 01:31	106-46-7	
Dichlorodifluoromethane	<b>0.26 U</b>	ug/L	1.0	0.26	1		04/08/19 01:31	75-71-8	
1,1-Dichloroethane	<b>0.34 U</b>	ug/L	1.0	0.34	1		04/08/19 01:31	75-34-3	
1,2-Dichloroethane	<b>0.27 U</b>	ug/L	1.0	0.27	1		04/08/19 01:31	107-06-2	
1,2-Dichloroethene (Total)	<b>10.2</b>	ug/L	1.0	0.27	1		04/08/19 01:31	540-59-0	N2
1,1-Dichloroethene	<b>0.27 U</b>	ug/L	1.0	0.27	1		04/08/19 01:31	75-35-4	
cis-1,2-Dichloroethene	<b>5.5</b>	ug/L	1.0	0.27	1		04/08/19 01:31	156-59-2	
trans-1,2-Dichloroethene	<b>4.7</b>	ug/L	1.0	0.23	1		04/08/19 01:31	156-60-5	
1,2-Dichloropropane	<b>0.23 U</b>	ug/L	1.0	0.23	1		04/08/19 01:31	78-87-5	
cis-1,3-Dichloropropene	<b>0.17 U</b>	ug/L	0.50	0.17	1		04/08/19 01:31	10061-01-5	
trans-1,3-Dichloropropene	<b>0.17 U</b>	ug/L	0.50	0.17	1		04/08/19 01:31	10061-02-6	
Methylene Chloride	<b>2.0 U</b>	ug/L	5.0	2.0	1		04/08/19 01:31	75-09-2	
1,1,2,2-Tetrachloroethane	<b>0.20 U</b>	ug/L	0.50	0.20	1		04/08/19 01:31	79-34-5	
Tetrachloroethene	<b>0.38 U</b>	ug/L	1.0	0.38	1		04/08/19 01:31	127-18-4	
1,1,1-Trichloroethane	<b>0.30 U</b>	ug/L	1.0	0.30	1		04/08/19 01:31	71-55-6	
1,1,2-Trichloroethane	<b>0.30 U</b>	ug/L	1.0	0.30	1		04/08/19 01:31	79-00-5	
Trichloroethene	<b>0.48 I</b>	ug/L	1.0	0.36	1		04/08/19 01:31	79-01-6	
Trichlorofluoromethane	<b>0.35 U</b>	ug/L	1.0	0.35	1		04/08/19 01:31	75-69-4	
Vinyl chloride	<b>7.0</b>	ug/L	1.0	0.39	1		04/08/19 01:31	75-01-4	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	91	%	70-130		1		04/08/19 01:31	460-00-4	
1,2-Dichloroethane-d4 (S)	101	%	70-130		1		04/08/19 01:31	17060-07-0	
Toluene-d8 (S)	99	%	70-130		1		04/08/19 01:31	2037-26-5	

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## ANALYTICAL RESULTS

Project: PFIZER-CAROLINA PR  
Pace Project No.: 35457901

Sample: MW-18S      Lab ID: 35457901012      Collected: 03/28/19 13:40      Received: 03/28/19 16:00      Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>	Analytical Method: EPA 8260								
Bromodichloromethane	<b>0.19 U</b>	ug/L	0.60	0.19	1		04/05/19 14:38	75-27-4	
Bromoform	<b>2.6 U</b>	ug/L	3.0	2.6	1		04/05/19 14:38	75-25-2	J
Bromomethane	<b>4.0 U</b>	ug/L	5.0	4.0	1		04/05/19 14:38	74-83-9	J
Carbon tetrachloride	<b>1.1 U</b>	ug/L	3.0	1.1	1		04/05/19 14:38	56-23-5	
Chlorobenzene	<b>0.35 U</b>	ug/L	1.0	0.35	1		04/05/19 14:38	108-90-7	
2-Chloroethylvinyl ether	<b>1.4 U</b>	ug/L	40.0	1.4	1		04/05/19 14:38	110-75-8	c2
Chloroform	<b>0.32 U</b>	ug/L	1.0	0.32	1		04/05/19 14:38	67-66-3	
Chloromethane	<b>0.97 U</b>	ug/L	1.0	0.97	1		04/05/19 14:38	74-87-3	
Dibromochloromethane	<b>0.45 U</b>	ug/L	2.0	0.45	1		04/05/19 14:38	124-48-1	
1,2-Dichlorobenzene	<b>0.29 U</b>	ug/L	1.0	0.29	1		04/05/19 14:38	95-50-1	
1,3-Dichlorobenzene	<b>0.33 U</b>	ug/L	1.0	0.33	1		04/05/19 14:38	541-73-1	
1,4-Dichlorobenzene	<b>0.28 U</b>	ug/L	1.0	0.28	1		04/05/19 14:38	106-46-7	
Dichlorodifluoromethane	<b>0.26 U</b>	ug/L	1.0	0.26	1		04/05/19 14:38	75-71-8	
1,1-Dichloroethane	<b>0.34 U</b>	ug/L	1.0	0.34	1		04/05/19 14:38	75-34-3	
1,2-Dichloroethane	<b>0.27 U</b>	ug/L	1.0	0.27	1		04/05/19 14:38	107-06-2	
1,2-Dichloroethene (Total)	<b>6.5</b>	ug/L	1.0	0.27	1		04/05/19 14:38	540-59-0	N2
1,1-Dichloroethene	<b>0.27 U</b>	ug/L	1.0	0.27	1		04/05/19 14:38	75-35-4	
cis-1,2-Dichloroethene	<b>2.0</b>	ug/L	1.0	0.27	1		04/05/19 14:38	156-59-2	
trans-1,2-Dichloroethene	<b>4.5</b>	ug/L	1.0	0.23	1		04/05/19 14:38	156-60-5	
1,2-Dichloropropane	<b>0.23 U</b>	ug/L	1.0	0.23	1		04/05/19 14:38	78-87-5	
cis-1,3-Dichloropropene	<b>0.17 U</b>	ug/L	0.50	0.17	1		04/05/19 14:38	10061-01-5	
trans-1,3-Dichloropropene	<b>0.17 U</b>	ug/L	0.50	0.17	1		04/05/19 14:38	10061-02-6	
Methylene Chloride	<b>2.0 U</b>	ug/L	5.0	2.0	1		04/05/19 14:38	75-09-2	
1,1,2,2-Tetrachloroethane	<b>0.20 U</b>	ug/L	0.50	0.20	1		04/05/19 14:38	79-34-5	
Tetrachloroethene	<b>0.38 U</b>	ug/L	1.0	0.38	1		04/05/19 14:38	127-18-4	
1,1,1-Trichloroethane	<b>0.30 U</b>	ug/L	1.0	0.30	1		04/05/19 14:38	71-55-6	
1,1,2-Trichloroethane	<b>0.30 U</b>	ug/L	1.0	0.30	1		04/05/19 14:38	79-00-5	
Trichloroethene	<b>0.36 U</b>	ug/L	1.0	0.36	1		04/05/19 14:38	79-01-6	
Trichlorofluoromethane	<b>0.35 U</b>	ug/L	1.0	0.35	1		04/05/19 14:38	75-69-4	
Vinyl chloride	<b>4.3</b>	ug/L	1.0	0.39	1		04/05/19 14:38	75-01-4	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	92	%	70-130		1		04/05/19 14:38	460-00-4	
1,2-Dichloroethane-d4 (S)	105	%	70-130		1		04/05/19 14:38	17060-07-0	
Toluene-d8 (S)	104	%	70-130		1		04/05/19 14:38	2037-26-5	

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## ANALYTICAL RESULTS

Project: PFIZER-CAROLINA PR  
Pace Project No.: 35457901

Sample: COMPOSITE SAMPLE	Lab ID: 35457901013	Collected: 03/28/19 14:30	Received: 03/28/19 16:00	Matrix: Water					
Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>	Analytical Method: EPA 8260								
Bromodichloromethane	<b>0.19 U</b>	ug/L	0.60	0.19	1		04/05/19 15:02	75-27-4	
Bromoform	<b>2.6 U</b>	ug/L	3.0	2.6	1		04/05/19 15:02	75-25-2	J
Bromomethane	<b>4.0 U</b>	ug/L	5.0	4.0	1		04/05/19 15:02	74-83-9	J
Carbon tetrachloride	<b>1.1 U</b>	ug/L	3.0	1.1	1		04/05/19 15:02	56-23-5	
Chlorobenzene	<b>0.35 U</b>	ug/L	1.0	0.35	1		04/05/19 15:02	108-90-7	
Chloroethane	<b>3.7 U</b>	ug/L	10.0	3.7	1		04/05/19 15:02	75-00-3	
2-Chloroethylvinyl ether	<b>1.4 U</b>	ug/L	40.0	1.4	1		04/05/19 15:02	110-75-8	c2
Chloroform	<b>0.32 U</b>	ug/L	1.0	0.32	1		04/05/19 15:02	67-66-3	
Chloromethane	<b>0.97 U</b>	ug/L	1.0	0.97	1		04/05/19 15:02	74-87-3	
Dibromochloromethane	<b>0.45 U</b>	ug/L	2.0	0.45	1		04/05/19 15:02	124-48-1	
1,2-Dichlorobenzene	<b>0.29 U</b>	ug/L	1.0	0.29	1		04/05/19 15:02	95-50-1	
1,3-Dichlorobenzene	<b>0.33 U</b>	ug/L	1.0	0.33	1		04/05/19 15:02	541-73-1	
1,4-Dichlorobenzene	<b>0.28 U</b>	ug/L	1.0	0.28	1		04/05/19 15:02	106-46-7	
Dichlorodifluoromethane	<b>0.26 U</b>	ug/L	1.0	0.26	1		04/05/19 15:02	75-71-8	
1,1-Dichloroethane	<b>0.34 U</b>	ug/L	1.0	0.34	1		04/05/19 15:02	75-34-3	
1,2-Dichloroethane	<b>0.27 U</b>	ug/L	1.0	0.27	1		04/05/19 15:02	107-06-2	
1,2-Dichloroethene (Total)	<b>0.27 U</b>	ug/L	1.0	0.27	1		04/05/19 15:02	540-59-0	N2
1,1-Dichloroethene	<b>0.27 U</b>	ug/L	1.0	0.27	1		04/05/19 15:02	75-35-4	
cis-1,2-Dichloroethene	<b>0.27 U</b>	ug/L	1.0	0.27	1		04/05/19 15:02	156-59-2	
trans-1,2-Dichloroethene	<b>0.23 U</b>	ug/L	1.0	0.23	1		04/05/19 15:02	156-60-5	
1,2-Dichloropropane	<b>0.23 U</b>	ug/L	1.0	0.23	1		04/05/19 15:02	78-87-5	
cis-1,3-Dichloropropene	<b>0.17 U</b>	ug/L	0.50	0.17	1		04/05/19 15:02	10061-01-5	
trans-1,3-Dichloropropene	<b>0.17 U</b>	ug/L	0.50	0.17	1		04/05/19 15:02	10061-02-6	
Methylene Chloride	<b>2.0 U</b>	ug/L	5.0	2.0	1		04/05/19 15:02	75-09-2	
1,1,2,2-Tetrachloroethane	<b>0.20 U</b>	ug/L	0.50	0.20	1		04/05/19 15:02	79-34-5	
Tetrachloroethene	<b>0.38 U</b>	ug/L	1.0	0.38	1		04/05/19 15:02	127-18-4	
1,1,1-Trichloroethane	<b>0.30 U</b>	ug/L	1.0	0.30	1		04/05/19 15:02	71-55-6	
1,1,2-Trichloroethane	<b>0.30 U</b>	ug/L	1.0	0.30	1		04/05/19 15:02	79-00-5	
Trichloroethene	<b>0.36 U</b>	ug/L	1.0	0.36	1		04/05/19 15:02	79-01-6	
Trichlorofluoromethane	<b>0.35 U</b>	ug/L	1.0	0.35	1		04/05/19 15:02	75-69-4	
Vinyl chloride	<b>0.39 U</b>	ug/L	1.0	0.39	1		04/05/19 15:02	75-01-4	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	93	%	70-130		1		04/05/19 15:02	460-00-4	
1,2-Dichloroethane-d4 (S)	106	%	70-130		1		04/05/19 15:02	17060-07-0	
Toluene-d8 (S)	100	%	70-130		1		04/05/19 15:02	2037-26-5	

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## QUALITY CONTROL DATA

Project: PFIZER-CAROLINA PR

Pace Project No.: 35457901

QC Batch:	528760	Analysis Method:	EPA 8260
QC Batch Method:	EPA 8260	Analysis Description:	8260 MSV
Associated Lab Samples:	35457901001, 35457901002, 35457901003, 35457901004, 35457901005, 35457901006, 35457901007, 35457901008, 35457901009, 35457901010, 35457901012, 35457901013		

METHOD BLANK: 2862082                                  Matrix: Water

Associated Lab Samples: 35457901001, 35457901002, 35457901003, 35457901004, 35457901005, 35457901006, 35457901007,  
35457901008, 35457901009, 35457901010, 35457901012, 35457901013

Parameter	Units	Blank	Reporting	MDL	Analyzed	Qualifiers
		Result	Limit			
1,1,1-Trichloroethane	ug/L	0.30 U	1.0	0.30	04/05/19 09:54	
1,1,2-Tetrachloroethane	ug/L	0.20 U	0.50	0.20	04/05/19 09:54	
1,1,2-Trichloroethane	ug/L	0.30 U	1.0	0.30	04/05/19 09:54	
1,1-Dichloroethane	ug/L	0.34 U	1.0	0.34	04/05/19 09:54	
1,1-Dichloroethene	ug/L	0.27 U	1.0	0.27	04/05/19 09:54	
1,2-Dichlorobenzene	ug/L	0.29 U	1.0	0.29	04/05/19 09:54	
1,2-Dichloroethane	ug/L	0.27 U	1.0	0.27	04/05/19 09:54	
1,2-Dichloroethene (Total)	ug/L	0.27 U	1.0	0.27	04/05/19 09:54	N2
1,2-Dichloropropane	ug/L	0.23 U	1.0	0.23	04/05/19 09:54	
1,3-Dichlorobenzene	ug/L	0.33 U	1.0	0.33	04/05/19 09:54	
1,4-Dichlorobenzene	ug/L	0.28 U	1.0	0.28	04/05/19 09:54	
2-Chloroethylvinyl ether	ug/L	1.4 U	40.0	1.4	04/05/19 09:54	
Bromodichloromethane	ug/L	0.19 U	0.60	0.19	04/05/19 09:54	
Bromoform	ug/L	2.6 U	3.0	2.6	04/05/19 09:54	J
Bromomethane	ug/L	4.0 U	5.0	4.0	04/05/19 09:54	J
Carbon tetrachloride	ug/L	1.1 U	3.0	1.1	04/05/19 09:54	
Chlorobenzene	ug/L	0.35 U	1.0	0.35	04/05/19 09:54	
Chloroethane	ug/L	3.7 U	10.0	3.7	04/05/19 09:54	
Chloroform	ug/L	0.32 U	1.0	0.32	04/05/19 09:54	
Chloromethane	ug/L	0.97 U	1.0	0.97	04/05/19 09:54	
cis-1,2-Dichloroethene	ug/L	0.27 U	1.0	0.27	04/05/19 09:54	
cis-1,3-Dichloropropene	ug/L	0.17 U	0.50	0.17	04/05/19 09:54	
Dibromochloromethane	ug/L	0.45 U	2.0	0.45	04/05/19 09:54	
Dichlorodifluoromethane	ug/L	0.26 U	1.0	0.26	04/05/19 09:54	
Methylene Chloride	ug/L	2.0 U	5.0	2.0	04/05/19 09:54	
Tetrachloroethene	ug/L	0.38 U	1.0	0.38	04/05/19 09:54	
trans-1,2-Dichloroethene	ug/L	0.23 U	1.0	0.23	04/05/19 09:54	
trans-1,3-Dichloropropene	ug/L	0.17 U	0.50	0.17	04/05/19 09:54	
Trichloroethene	ug/L	0.36 U	1.0	0.36	04/05/19 09:54	
Trichlorofluoromethane	ug/L	0.35 U	1.0	0.35	04/05/19 09:54	
Vinyl chloride	ug/L	0.39 U	1.0	0.39	04/05/19 09:54	
1,2-Dichloroethane-d4 (S)	%	104	70-130		04/05/19 09:54	
4-Bromofluorobenzene (S)	%	98	70-130		04/05/19 09:54	
Toluene-d8 (S)	%	99	70-130		04/05/19 09:54	

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## REPORT OF LABORATORY ANALYSIS

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## QUALITY CONTROL DATA

Project: PFIZER-CAROLINA PR

Pace Project No.: 35457901

**LABORATORY CONTROL SAMPLE:** 2862083

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	20	19.4	97	70-130	
1,1,2,2-Tetrachloroethane	ug/L	20	23.0	115	68-125	
1,1,2-Trichloroethane	ug/L	20	22.0	110	70-130	
1,1-Dichloroethane	ug/L	20	21.0	105	70-130	
1,1-Dichloroethene	ug/L	20	21.1	106	66-133	
1,2-Dichlorobenzene	ug/L	20	21.7	109	70-130	
1,2-Dichloroethane	ug/L	20	20.9	104	70-130	
1,2-Dichloroethene (Total)	ug/L	40	40.8	102	70-130 N2	
1,2-Dichloropropane	ug/L	20	21.6	108	70-130	
1,3-Dichlorobenzene	ug/L	20	21.6	108	70-130	
1,4-Dichlorobenzene	ug/L	20	21.8	109	70-130	
2-Chloroethylvinyl ether	ug/L	20	19.7 I	98	41-140	
Bromodichloromethane	ug/L	20	19.2	96	70-130	
Bromoform	ug/L	20	17.1	85	49-126 J	
Bromomethane	ug/L	20	24.5	123	10-165 J	
Carbon tetrachloride	ug/L	20	17.8	89	63-126	
Chlorobenzene	ug/L	20	21.2	106	70-130	
Chloroethane	ug/L	20	25.0	125	71-142	
Chloroform	ug/L	20	20.3	102	70-130	
Chloromethane	ug/L	20	19.7	99	40-140	
cis-1,2-Dichloroethene	ug/L	20	20.6	103	70-130	
cis-1,3-Dichloropropene	ug/L	20	20.0	100	70-130	
Dibromochloromethane	ug/L	20	19.2	96	62-118	
Dichlorodifluoromethane	ug/L	20	18.4	92	47-150	
Methylene Chloride	ug/L	20	22.5	112	65-136	
Tetrachloroethene	ug/L	20	19.2	96	64-134	
trans-1,2-Dichloroethene	ug/L	20	20.2	101	68-127	
trans-1,3-Dichloropropene	ug/L	20	21.1	105	65-121	
Trichloroethene	ug/L	20	19.7	98	70-130	
Trichlorofluoromethane	ug/L	20	20.7	104	65-135	
Vinyl chloride	ug/L	20	19.1	96	68-131	
1,2-Dichloroethane-d4 (S)	%			104	70-130	
4-Bromofluorobenzene (S)	%			96	70-130	
Toluene-d8 (S)	%			98	70-130	

**MATRIX SPIKE SAMPLE:** 2864589

Parameter	Units	35458270002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	0.30 U	20	21.9	110	70-130	
1,1,2,2-Tetrachloroethane	ug/L	0.20 U	20	23.2	116	68-125	
1,1,2-Trichloroethane	ug/L	0.30 U	20	20.9	105	70-130	
1,1-Dichloroethane	ug/L	0.34 U	20	23.7	119	70-130	
1,1-Dichloroethene	ug/L	0.27 U	20	24.1	121	66-133	
1,2-Dichlorobenzene	ug/L	0.29 U	20	20.8	104	70-130	
1,2-Dichloroethane	ug/L	0.27 U	20	21.5	106	70-130	

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## QUALITY CONTROL DATA

Project: PFIZER-CAROLINA PR  
Pace Project No.: 35457901

MATRIX SPIKE SAMPLE: 2864589

Parameter	Units	35458270002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,2-Dichloroethene (Total)	ug/L	0.27 U	40	47.0	117	70-130	N2
1,2-Dichloropropane	ug/L	0.23 U	20	23.1	116	70-130	
1,3-Dichlorobenzene	ug/L	0.33 U	20	20.3	101	70-130	
1,4-Dichlorobenzene	ug/L	0.28 U	20	20.4	102	70-130	
2-Chloroethylvinyl ether	ug/L	1.4 U	20	1.4 U	0	41-140	J(M1)
Bromodichloromethane	ug/L	0.19 U	20	19.5	97	70-130	
Bromoform	ug/L	2.6 U	20	14.9	74	49-126	J
Bromomethane	ug/L	4.0 U	20	11.8	57	10-165	J
Carbon tetrachloride	ug/L	1.1 U	20	19.3	96	63-126	
Chlorobenzene	ug/L	0.35 U	20	21.5	107	70-130	
Chloroethane	ug/L	3.7 U	20	45.9	229	71-142	J(M1)
Chloroform	ug/L	0.32 U	20	22.2	111	70-130	
Chloromethane	ug/L	0.97 U	20	20.7	103	40-140	
cis-1,2-Dichloroethene	ug/L	0.27 U	20	22.5	112	70-130	
cis-1,3-Dichloropropene	ug/L	0.17 U	20	20.1	101	70-130	
Dibromochloromethane	ug/L	0.45 U	20	17.6	88	62-118	
Dichlorodifluoromethane	ug/L	0.26 U	20	22.8	114	47-150	
Methylene Chloride	ug/L	2.0 U	20	23.7	118	65-136	
Tetrachloroethene	ug/L	0.38 U	20	16.5	83	64-134	
trans-1,2-Dichloroethene	ug/L	0.23 U	20	24.5	122	68-127	
trans-1,3-Dichloropropene	ug/L	0.17 U	20	18.3	91	65-121	
Trichloroethene	ug/L	1.7	20	23.4	109	70-130	
Trichlorofluoromethane	ug/L	0.35 U	20	27.9	140	65-135	J(M1)
Vinyl chloride	ug/L	0.39 U	20	23.7	118	68-131	
1,2-Dichloroethane-d4 (S)	%				106	70-130	
4-Bromofluorobenzene (S)	%				94	70-130	
Toluene-d8 (S)	%				69	70-130	J(S0)

SAMPLE DUPLICATE: 2864588

Parameter	Units	35458270001 Result	Dup Result	RPD	Max RPD	Qualifiers
1,1,1-Trichloroethane	ug/L	0.30 U	0.30 U		40	
1,1,2,2-Tetrachloroethane	ug/L	0.20 U	0.20 U		40	
1,1,2-Trichloroethane	ug/L	0.30 U	0.30 U		40	
1,1-Dichloroethane	ug/L	0.34 U	0.34 U		40	
1,1-Dichloroethene	ug/L	0.27 U	0.27 U		40	
1,2-Dichlorobenzene	ug/L	0.29 U	0.29 U		40	
1,2-Dichloroethane	ug/L	0.27 U	0.27 U		40	
1,2-Dichloroethene (Total)	ug/L	0.27 U	0.27 U		40 N2	
1,2-Dichloropropane	ug/L	0.23 U	0.23 U		40	
1,3-Dichlorobenzene	ug/L	0.33 U	0.33 U		40	
1,4-Dichlorobenzene	ug/L	0.28 U	0.28 U		40	
2-Chloroethylvinyl ether	ug/L	1.4 U	1.4 U		40	
Bromodichloromethane	ug/L	0.19 U	0.19 U		40	
Bromoform	ug/L	2.6 U	2.6 U		40 J	

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## QUALITY CONTROL DATA

Project: PFIZER-CAROLINA PR

Pace Project No.: 35457901

SAMPLE DUPLICATE: 2864588

Parameter	Units	35458270001 Result	Dup Result	RPD	Max RPD	Qualifiers
Bromomethane	ug/L	4.0 U	4.0 U		40	J
Carbon tetrachloride	ug/L	1.1 U	1.1 U		40	
Chlorobenzene	ug/L	0.35 U	0.35 U		40	
Chloroethane	ug/L	3.7 U	3.7 U		40	
Chloroform	ug/L	0.32 U	0.32 U		40	
Chloromethane	ug/L	0.97 U	0.97 U		40	
cis-1,2-Dichloroethene	ug/L	0.27 U	0.27 U		40	
cis-1,3-Dichloropropene	ug/L	0.17 U	0.17 U		40	
Dibromochloromethane	ug/L	0.45 U	0.45 U		40	
Dichlorodifluoromethane	ug/L	0.26 U	0.26 U		40	
Methylene Chloride	ug/L	2.0 U	2.0 U		40	
Tetrachloroethene	ug/L	0.38 U	0.38 U		40	
trans-1,2-Dichloroethene	ug/L	0.23 U	0.23 U		40	
trans-1,3-Dichloropropene	ug/L	0.17 U	0.17 U		40	
Trichloroethene	ug/L	1.7	0.98 I		40	
Trichlorofluoromethane	ug/L	0.35 U	0.35 U		40	
Vinyl chloride	ug/L	0.39 U	0.39 U		40	
1,2-Dichloroethane-d4 (S)	%	107	105		40	
4-Bromofluorobenzene (S)	%	97	96		40	
Toluene-d8 (S)	%	101	101		40	

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## QUALITY CONTROL DATA

Project: PFIZER-CAROLINA PR

Pace Project No.: 35457901

QC Batch:	529122	Analysis Method:	EPA 8260
QC Batch Method:	EPA 8260	Analysis Description:	8260 MSV
Associated Lab Samples:	35457901011		

METHOD BLANK: 2864580                          Matrix: Water

Associated Lab Samples: 35457901011

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	0.30 U	1.0	0.30	04/07/19 23:07	
1,1,2,2-Tetrachloroethane	ug/L	0.20 U	0.50	0.20	04/07/19 23:07	
1,1,2-Trichloroethane	ug/L	0.30 U	1.0	0.30	04/07/19 23:07	
1,1-Dichloroethane	ug/L	0.34 U	1.0	0.34	04/07/19 23:07	
1,1-Dichloroethene	ug/L	0.27 U	1.0	0.27	04/07/19 23:07	
1,2-Dichlorobenzene	ug/L	0.29 U	1.0	0.29	04/07/19 23:07	
1,2-Dichloroethane	ug/L	0.27 U	1.0	0.27	04/07/19 23:07	
1,2-Dichloroethene (Total)	ug/L	0.27 U	1.0	0.27	04/07/19 23:07	N2
1,2-Dichloropropane	ug/L	0.23 U	1.0	0.23	04/07/19 23:07	
1,3-Dichlorobenzene	ug/L	0.33 U	1.0	0.33	04/07/19 23:07	
1,4-Dichlorobenzene	ug/L	0.28 U	1.0	0.28	04/07/19 23:07	
2-Chloroethylvinyl ether	ug/L	1.4 U	40.0	1.4	04/07/19 23:07	
Bromodichloromethane	ug/L	0.19 U	0.60	0.19	04/07/19 23:07	
Bromoform	ug/L	2.6 U	3.0	2.6	04/07/19 23:07	J
Bromomethane	ug/L	4.0 U	5.0	4.0	04/07/19 23:07	
Carbon tetrachloride	ug/L	1.1 U	3.0	1.1	04/07/19 23:07	J
Chlorobenzene	ug/L	0.35 U	1.0	0.35	04/07/19 23:07	
Chloroethane	ug/L	3.7 U	10.0	3.7	04/07/19 23:07	J
Chloroform	ug/L	0.32 U	1.0	0.32	04/07/19 23:07	
Chloromethane	ug/L	0.97 U	1.0	0.97	04/07/19 23:07	
cis-1,2-Dichloroethene	ug/L	0.27 U	1.0	0.27	04/07/19 23:07	
cis-1,3-Dichloropropene	ug/L	0.17 U	0.50	0.17	04/07/19 23:07	
Dibromochloromethane	ug/L	0.45 U	2.0	0.45	04/07/19 23:07	
Dichlorodifluoromethane	ug/L	0.26 U	1.0	0.26	04/07/19 23:07	
Methylene Chloride	ug/L	2.0 U	5.0	2.0	04/07/19 23:07	
Tetrachloroethene	ug/L	0.38 U	1.0	0.38	04/07/19 23:07	
trans-1,2-Dichloroethene	ug/L	0.23 U	1.0	0.23	04/07/19 23:07	
trans-1,3-Dichloropropene	ug/L	0.17 U	0.50	0.17	04/07/19 23:07	
Trichloroethene	ug/L	0.36 U	1.0	0.36	04/07/19 23:07	
Trichlorofluoromethane	ug/L	0.35 U	1.0	0.35	04/07/19 23:07	
Vinyl chloride	ug/L	0.39 U	1.0	0.39	04/07/19 23:07	
1,2-Dichloroethane-d4 (S)	%	100	70-130		04/07/19 23:07	
4-Bromofluorobenzene (S)	%	93	70-130		04/07/19 23:07	
Toluene-d8 (S)	%	98	70-130		04/07/19 23:07	

LABORATORY CONTROL SAMPLE: 2864581

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	20	17.8	89	70-130	
1,1,2,2-Tetrachloroethane	ug/L	20	20.2	101	68-125	

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## QUALITY CONTROL DATA

Project: PFIZER-CAROLINA PR  
Pace Project No.: 35457901

LABORATORY CONTROL SAMPLE: 2864581

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,2-Trichloroethane	ug/L	20	20.0	100	70-130	
1,1-Dichloroethane	ug/L	20	19.7	98	70-130	
1,1-Dichloroethene	ug/L	20	19.1	95	66-133	
1,2-Dichlorobenzene	ug/L	20	21.2	106	70-130	
1,2-Dichloroethane	ug/L	20	18.3	92	70-130	
1,2-Dichloroethene (Total)	ug/L	40	38.1	95	70-130 N2	
1,2-Dichloropropane	ug/L	20	20.2	101	70-130	
1,3-Dichlorobenzene	ug/L	20	21.3	106	70-130	
1,4-Dichlorobenzene	ug/L	20	21.3	106	70-130	
2-Chloroethylvinyl ether	ug/L	20	18.7 I	93	41-140	
Bromodichloromethane	ug/L	20	16.8	84	70-130	
Bromoform	ug/L	20	13.0	65	49-126 J	
Bromomethane	ug/L	20	19.5	97	10-165	
Carbon tetrachloride	ug/L	20	15.7	78	63-126 J	
Chlorobenzene	ug/L	20	20.1	100	70-130	
Chloroethane	ug/L	20	27.4	137	71-142 J	
Chloroform	ug/L	20	18.7	94	70-130	
Chloromethane	ug/L	20	23.3	116	40-140	
cis-1,2-Dichloroethene	ug/L	20	19.6	98	70-130	
cis-1,3-Dichloropropene	ug/L	20	18.8	94	70-130	
Dibromochloromethane	ug/L	20	15.5	78	62-118 J	
Dichlorodifluoromethane	ug/L	20	21.7	109	47-150	
Methylene Chloride	ug/L	20	19.1	95	65-136	
Tetrachloroethene	ug/L	20	20.0	100	64-134	
trans-1,2-Dichloroethene	ug/L	20	18.5	93	68-127	
trans-1,3-Dichloropropene	ug/L	20	19.0	95	65-121	
Trichloroethene	ug/L	20	19.6	98	70-130	
Trichlorofluoromethane	ug/L	20	19.4	97	65-135	
Vinyl chloride	ug/L	20	19.7	99	68-131	
1,2-Dichloroethane-d4 (S)	%			100	70-130	
4-Bromofluorobenzene (S)	%			94	70-130	
Toluene-d8 (S)	%			98	70-130	

MATRIX SPIKE SAMPLE: 2864583

Parameter	Units	35458827002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	0.30 U	20	17.0	85	70-130	
1,1,2,2-Tetrachloroethane	ug/L	0.20 U	20	17.6	88	68-125	
1,1,2-Trichloroethane	ug/L	0.30 U	20	17.8	89	70-130	
1,1-Dichloroethane	ug/L	0.34 U	20	18.2	91	70-130	
1,1-Dichloroethene	ug/L	0.27 U	20	19.7	98	66-133	
1,2-Dichlorobenzene	ug/L	0.29 U	20	18.8	94	70-130	
1,2-Dichloroethane	ug/L	0.27 U	20	16.3	82	70-130	
1,2-Dichloroethene (Total)	ug/L	0.27 U	40	35.5	89	70-130 N2	
1,2-Dichloropropane	ug/L	0.23 U	20	18.5	93	70-130	

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## QUALITY CONTROL DATA

Project: PFIZER-CAROLINA PR  
Pace Project No.: 35457901

MATRIX SPIKE SAMPLE:	2864583						
Parameter	Units	35458827002	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,3-Dichlorobenzene	ug/L	0.33 U	20	18.9	94	70-130	
1,4-Dichlorobenzene	ug/L	0.28 U	20	19.0	95	70-130	
2-Chloroethylvinyl ether	ug/L	1.4 U	20	1.4 U	0	41-140	
Bromodichloromethane	ug/L	0.19 U	20	14.9	75	70-130	
Bromoform	ug/L	2.6 U	20	10.4	52	49-126 J	
Bromomethane	ug/L	4.0 U	20	9.4	47	10-165	
Carbon tetrachloride	ug/L	1.1 U	20	14.7	73	63-126 J	
Chlorobenzene	ug/L	0.35 U	20	17.9	89	70-130	
Chloroethane	ug/L	3.7 U	20	24.1	121	71-142 J	
Chloroform	ug/L	0.32 U	20	17.3	87	70-130	
Chloromethane	ug/L	0.97 U	20	20.6	103	40-140	
cis-1,2-Dichloroethene	ug/L	0.27 U	20	17.7	89	70-130	
cis-1,3-Dichloropropene	ug/L	0.17 U	20	16.3	81	70-130	
Dibromochloromethane	ug/L	0.45 U	20	13.0	65	62-118 J	
Dichlorodifluoromethane	ug/L	0.26 U	20	21.1	105	47-150	
Methylene Chloride	ug/L	2.0 U	20	16.9	84	65-136	
Tetrachloroethene	ug/L	0.38 U	20	17.7	89	64-134	
trans-1,2-Dichloroethene	ug/L	0.23 U	20	17.8	89	68-127	
trans-1,3-Dichloropropene	ug/L	0.17 U	20	15.8	79	65-121	
Trichloroethene	ug/L	0.36 U	20	17.9	90	70-130	
Trichlorofluoromethane	ug/L	0.35 U	20	19.0	95	65-135	
Vinyl chloride	ug/L	0.39 U	20	19.5	97	68-131	
1,2-Dichloroethane-d4 (S)	%				101	70-130	
4-Bromofluorobenzene (S)	%				93	70-130	
Toluene-d8 (S)	%				98	70-130	

SAMPLE DUPLICATE: 2864582

Parameter	Units	35458827001	Dup Result	Max RPD	Qualifiers
		Result	RPD		
1,1,1-Trichloroethane	ug/L	0.30 U	0.30 U	40	
1,1,2,2-Tetrachloroethane	ug/L	0.20 U	0.20 U	40	
1,1,2-Trichloroethane	ug/L	0.30 U	0.30 U	40	
1,1-Dichloroethane	ug/L	0.34 U	0.34 U	40	
1,1-Dichloroethene	ug/L	0.27 U	0.27 U	40	
1,2-Dichlorobenzene	ug/L	0.29 U	0.29 U	40	
1,2-Dichloroethane	ug/L	0.27 U	0.27 U	40	
1,2-Dichloroethene (Total)	ug/L	0.27 U	0.27 U	40 N2	
1,2-Dichloropropane	ug/L	0.23 U	0.23 U	40	
1,3-Dichlorobenzene	ug/L	0.33 U	0.33 U	40	
1,4-Dichlorobenzene	ug/L	0.28 U	0.28 U	40	
2-Chloroethylvinyl ether	ug/L	1.4 U	1.4 U	40	
Bromodichloromethane	ug/L	0.19 U	0.19 U	40	
Bromoform	ug/L	2.6 U	2.6 U	40 J	
Bromomethane	ug/L	4.0 U	4.0 U	40	
Carbon tetrachloride	ug/L	1.1 U	1.1 U	40 J	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

## REPORT OF LABORATORY ANALYSIS

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## QUALITY CONTROL DATA

Project: PFIZER-CAROLINA PR  
Pace Project No.: 35457901

SAMPLE DUPLICATE: 2864582

Parameter	Units	35458827001 Result	Dup Result	RPD	Max RPD	Qualifiers
Chlorobenzene	ug/L	0.35 U	0.35 U		40	
Chloroethane	ug/L	3.7 U	3.7 U		40 J	
Chloroform	ug/L	0.32 U	0.32 U		40	
Chloromethane	ug/L	0.97 U	0.97 U		40	
cis-1,2-Dichloroethene	ug/L	0.27 U	0.27 U		40	
cis-1,3-Dichloropropene	ug/L	0.17 U	0.17 U		40	
Dibromochloromethane	ug/L	0.45 U	0.45 U		40 J	
Dichlorodifluoromethane	ug/L	0.26 U	0.26 U		40	
Methylene Chloride	ug/L	2.0 U	2.0 U		40	
Tetrachloroethene	ug/L	0.38 U	0.38 U		40	
trans-1,2-Dichloroethene	ug/L	0.23 U	0.23 U		40	
trans-1,3-Dichloropropene	ug/L	0.17 U	0.17 U		40	
Trichloroethene	ug/L	0.36 U	0.36 U		40	
Trichlorofluoromethane	ug/L	0.35 U	0.35 U		40	
Vinyl chloride	ug/L	0.39 U	0.39 U		40	
1,2-Dichloroethane-d4 (S)	%	101	101		40	
4-Bromofluorobenzene (S)	%	93	91		40	
Toluene-d8 (S)	%	99	98		40	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

## REPORT OF LABORATORY ANALYSIS

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## QUALIFIERS

Project: PFIZER-CAROLINA PR  
 Pace Project No.: 35457901

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### DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

### LABORATORIES

PASI-O Pace Analytical Services - Ormond Beach

### ANALYTE QUALIFIERS

- I The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
- U Compound was analyzed for but not detected.
- IH This analyte exceeded secondary source verification criteria high for the initial calibration. The reported results should be considered an estimated value.
- J The continuing calibration verification was above the method acceptance limit. Any detection for the analyte in the associated samples may have a high bias.
- J The continuing calibration verification was below the method acceptance limit. Any detection for the analyte in the associated samples may have a low bias.
- J The continuing calibration verification was below the method acceptance limit. The analyte was not detected in the associated samples and the sensitivity of the instrument was verified with a reporting limit check standard.
- J(M1) Estimated Value. Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
- J(S0) Estimated Value. Surrogate recovery outside laboratory control limits.
- N2 The lab does not hold NELAC/TNI accreditation for this parameter but other accreditations/certifications may apply. A complete list of accreditations/certifications is available upon request.
- c2 Acid preservation may not be appropriate for the analysis of 2-Chloroethylvinyl ether.

## REPORT OF LABORATORY ANALYSIS

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### QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: PFIZER-CAROLINA PR  
Pace Project No.: 35457901

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
35457901001	MW-7S	EPA 8260	528760		
35457901002	MW-21S	EPA 8260	528760		
35457901003	MW-2S	EPA 8260	528760		
35457901004	MW-2D	EPA 8260	528760		
35457901005	MW-16S	EPA 8260	528760		
35457901006	INJ-6	EPA 8260	528760		
35457901007	INJ-23	EPA 8260	528760		
35457901008	INJ-24	EPA 8260	528760		
35457901009	INJ-38	EPA 8260	528760		
35457901010	MW-20S	EPA 8260	528760		
35457901011	MW-17S	EPA 8260	529122		
35457901012	MW-18S	EPA 8260	528760		
35457901013	COMPOSITE SAMPLE	EPA 8260	528760		

### REPORT OF LABORATORY ANALYSIS

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35457901

**Section A**  
**Required Client Information.**

Company: Golder Associates, Inc. Jacksonville  
 Address: 9428 Baymeadows Road  
 Jacksonville, FL 32256  
 Email: matt.crews@golder.com  
 Phone: (904)207-6023 Fax:  
 Requested Due Date:

**Required Project Information:**

Report To: Matt Crews, PE

Copy To:

Purchase Order #:

Project Name: Pfizer - Carolina PR

Project #: 10900

**CHAIN-OF-CUSTODY / Analytical Request Document**

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Page : 1 Of 1

**Section C**
**Invoice Information:**

Attention:

Company Name:

Address:

Pace Quote:

Pace Project Manager: todd.rea@pacelabs.com,

Pace Profile #: 10900

Regulatory Agency

State / Location

PR

ITEM #	SAMPLE ID One Character per box. (A-Z, 0-9, -,) Sample IDs must be unique	MATRIX Drinking Water Water Waste Water Product Soil/Solid Oil Wipe Air Other Tissue	CODE DW WT WW P SL OL WP AR OT TS	MATRIX CODE (see valid codes to left) SAMPLING TYPE (G=GRAB C=COMP)	COLLECTED				# OF CONTAINERS	Preservatives						Requested Analysis Filtered (Y/N)		Residual Chlorine (Y/N)				
					START		END			Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Other		Analyses Test	Y/N		
					DATE	TIME	DATE	TIME			CVOCs (8260)											
1	MW 75	WT	G	3/25/19 16:45	3/25/19 16:45																	
2	MW 215	WT	G	3/26/19 9:20	3/26/19 9:20																	
3	MW - 2.5	WT	G	3/26/19 10:50	3/26/19 10:50																	
4	MW - 2-D	WT	G	3/26/19 12:05	3/26/19 12:05																	
5	MW - 165	WT	G	3/26/19 2:30	3/26/19 2:30																	
6	Inj-6	J	G	3/27/19 10:05	3/27/19 10:05																	
7	Inj-23	J	G	3/27/19 12:00	3/27/19 12:00																	
8	Inj-24	J	G	3/27/19 14:15	3/27/19 14:15																	
9	Inj-38	J	G	3/27/19 16:10	3/27/19 16:10																	
10	MW-205	WT	G	3/28/19 9:45	3/28/19 9:45																	
11	MW-175	WT	G	3/28/19 11:15	3/28/19 11:15																	
12	MW-185	WT	G	3/28/19 13:40	3/28/19 13:40																	
ADDITIONAL COMMENTS				RELINQUISHED BY / AFFILIATION				DATE	TIME	ACCEPTED BY / AFFILIATION				DATE	TIME	SAMPLE CONDITIONS						
Empty Vials Samples preserved on ice				Patty Pace				3/25/19	1600	Patty Gammie - Pace				3/25/19	1600	7:00	Y	A	V			
				3/26/19				1600		DDI Pace				03/29/19	10:45	3:00	Y	N	V			
<b>SAMPLER NAME AND SIGNATURE</b> PRINT Name of SAMPLER: Simon Ojeda SIGNATURE of SAMPLER:																DATE Signed:	3/26/19	TEMP in C	Received on Ice (Y/N)	Custody Sealed	Sealed Cooler (Y/N)	Samples Intact (Y/N)



Document Name:  
Sample Condition Upon Receipt Form  
Document No.:  
F-FL-C-007 rev. 13

Document Revised:  
May 30, 2018  
Issuing Authority:  
Pace Florida Quality Office

### Sample Condition Upon Receipt Form (SCUR)

Project # **WO# : 35457901**

Project Manager: PM: TSR Due Date: 04/04/19  
Client: CLIENT: GOLASC

Thermometer Used: T-344 Date: 3-29-19 Time: 12:58 Initials: JKT

State of Origin: PR

For WV projects, all containers verified to ≤ 6 °C

Cooler #1 Temp. °C 3.6 (Visual) 0.01 (Correction Factor) 3.6 (Actual)

Samples on ice, cooling process has begun

Cooler #2 Temp. °C \_\_\_\_\_ (Visual) \_\_\_\_\_ (Correction Factor) \_\_\_\_\_ (Actual)

Samples on ice, cooling process has begun

Cooler #3 Temp. °C \_\_\_\_\_ (Visual) \_\_\_\_\_ (Correction Factor) \_\_\_\_\_ (Actual)

Samples on ice, cooling process has begun

Cooler #4 Temp. °C \_\_\_\_\_ (Visual) \_\_\_\_\_ (Correction Factor) \_\_\_\_\_ (Actual)

Samples on ice, cooling process has begun

Cooler #5 Temp. °C \_\_\_\_\_ (Visual) \_\_\_\_\_ (Correction Factor) \_\_\_\_\_ (Actual)

Samples on ice, cooling process has begun

Cooler #6 Temp. °C \_\_\_\_\_ (Visual) \_\_\_\_\_ (Correction Factor) \_\_\_\_\_ (Actual)

Samples on ice, cooling process has begun

Courier:  Fed Ex  UPS  USPS  Client  Commercial  Pace  Other \_\_\_\_\_

Shipping Method:  First Overnight  Priority Overnight  Standard Overnight  Ground  International Priority

Other \_\_\_\_\_

Billing:  Recipient  Sender  Third Party  Credit Card  Unknown

Tracking #: 8134 5417 1134

Custody Seal on Cooler/Box Present:  Yes  No Seals intact:  Yes  No Ice:  Wet  Blue  Dry  None

Packing Material:  Bubble Wrap  Bubble Bags  None  Other \_\_\_\_\_

Samples shorted to lab (If Yes, complete) Shorted Date: \_\_\_\_\_ Shorted Time: \_\_\_\_\_ Qty: \_\_\_\_\_

#### Comments:

Chain of Custody Present	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Chain of Custody Filled Out	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Relinquished Signature & Sampler Name COC	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Samples Arrived within Hold Time	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Rush TAT requested on COC	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
Sufficient Volume	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Correct Containers Used	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Containers Intact	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Sample Labels match COC (sample IDs & date/time of collection)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
All containers needing acid/base preservation have been checked.	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	Preservation Information: Preservative: _____ Lot #/Trace #: _____ Date: _____ Time: _____ Initials: _____
All Containers needing preservation are found to be in compliance with EPA recommendation:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Exceptions: VOA, Coliform, TOC, O&G, Carbamates		
Headspace in VOA Vials? (>6mm):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
Trip Blank Present:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	

#### Client Notification/ Resolution:

Person Contacted: \_\_\_\_\_

Date/Time: \_\_\_\_\_

Comments/ Resolution (use back for additional comments): \_\_\_\_\_

Project Manager Review: \_\_\_\_\_

Date: \_\_\_\_\_

Page 31 of 31